28th Annual Meeting
Minneapolis, Minnesota, USA

Pre-meeting Courses begin Wednesday, October 3; Annual Meeting follows October 4 – 6.

President
Robert A Probe, MD

Local Hosts
Peter A Cole, MD
Andrew H Schmidt, MD
David C Templeman, MD

Program Chair
James A Goulet, MD

Program Co-Chair
Thomas F Higgins, MD

19.25+ AMA PRA Category I Credits™

Minneapolis Convention Center
Wednesday, October 3 – Saturday, October 6, 2012
Pre-meeting Courses begin Wednesday, October 3; Annual Meeting follows October 4 – 6.

Annual Meeting Features:
AOA Own the Bone; Industry Symposia;
Guest Nation: Mexico

Pre-Meeting & Concurrent Events:
International Orthopaedic Trauma Care Forum
Masters Level Trauma Coding Course
Basic Science Focus Forum
Young Practitioners Forum
❖ Grant Writing Workshop
❖ Orthopaedic Trauma for NP’s and PA’s
❖ Orthopaedic Trauma Boot Camp
❖ Orthopaedic Trauma Nursing Course

NEW in 2012
The OTA gratefully acknowledges 2011 Research and Education Donors

The continued success and increased impact of the Orthopaedic Trauma Association’s research and education effort is dependent upon foundation and industry support. The OTA gratefully acknowledges OTA contributors for their support.

**DIAMOND AWARD LEVEL**
($150,000 and above)

![Smith & Nephew](image)
![Medtronic](image)
![Stryker](image)

**GOLD AWARD LEVEL**
($100,000 - $124,999)

![DePuy](image)
![Synthes](image)
![Zimmer](image)

**COPPER AWARD LEVEL**
($25,000 - $49,999)

![Biomet](image)
Dear Colleagues:

Please accept our invitation to the 28th Annual Meeting of the Orthopaedic Trauma Association (OTA) to be held in Minneapolis from October 3 – 6, 2012. The meeting will provide the most comprehensive and up-to-date program related to treatment of musculoskeletal injury available anywhere. A diverse spectrum of topics and the opportunity to attend a wide range of sessions including scientific presentations of original research, didactic lectures, small group discussions, and hands-on labs provide learning opportunities that meet the needs of all musculoskeletal health care professionals. Additional programs specifically designed for orthopaedic nurses, orthopaedic physician assistants and nurse practitioners, and for non-fellowship trained orthopaedic surgeons have been added this year.

This year’s meeting will highlight main symposia on topics with broad appeal including the latest information from the leaders of the largest international hip fracture registries, and a special session on how automotive design and safety features are leading to continuously improve survival rates and new challenges for orthopaedic traumatologists. New for this year, attendees will have choices throughout the meeting to attend podium presentations or concurrent mini-symposia covering a wide range of topics. Break-out sessions in the form of mini-symposia, case presentations, and skills labs that include other general interest as well as more focused topics will allow a high level of customization of the meeting experience.

The Scientific Program will include the most relevant and scientifically sound research. More than 100 podium presentations and 200 posters were selected by the Program Committee from a record 750 abstract submissions. A session jointly sponsored by the American Orthopaedic Association’s (AOA) “Own the Bone” initiative and the OTA, will be embedded within the program to provide a step-by-step workshop for practices and research associates seeking to set up a sustainable center for treatment of fragility fractures.

Four meetings precede the traditional Annual Meeting, beginning with the Basic Science Focus Forum (BSFF), chaired by Ted Mclau, MD. The BSFF is a 1-1/2 day event beginning Wednesday, October 3rd, that will provide an additional in-depth program designed to augment and expand upon the science presented and discussed at the main meeting.

Bob Ostrum, MD, will chair a new 1-1/2 day Orthopaedic Trauma Boot Camp, beginning Wednesday, October 3, designed for orthopaedic surgeons called upon to solve difficult trauma challenges without the benefit of formal fellowship training. Dr. Ostrum will be assisted by a select team of experienced OTA surgeon educators to help increase your knowledge and enhance your competency.

Two additional, single day pre-meeting events will take place on Wednesday, October 3rd. The perennially popular Masters Level Coding Course will once again be organized by Bill Creevy, MD and Karen Zupko & Associates, Inc. The highly successful International Forum, started three years ago, will continue under the direction of Bill DeLong, MD. And new this year, a Grant Writing Workshop will be offered, which is chaired by Todd McKinley and Brett Crist. In addition, the half-day Young Practitioners Forum led by Lisa Cannada, MD on Thursday morning rounds out the pre-meeting events. We encourage all to arrive early to the Annual Meeting and take full advantage of these OTA offerings.

Two new courses are also on the schedule. A one-day course specifically designed for orthopaedic trauma nurses and OR scrub technicians, chaired by Paul Dougherty, MD and Mary Kay Wollan, RN, will premier on Friday October 5. A new 2-1/2 day course specifically designed for physician assistants, chaired by Mike Archdeacon, MD, Cliff Jones, MD, and Steve Morgan, MD will run concurrent with the Annual Meeting from Thursday, October 4 to Saturday, October 6.

The common feature of each of the wide range of program events is the commitment to providing the highest quality, most interesting and clinically relevant material related to musculoskeletal trauma by world-class faculty and experts. We truly believe that anyone involved in the field, now including your orthopaedic colleagues, will benefit from this year’s OTA Annual Meeting. Please consider joining us in Minneapolis!

Sincerely,

James A. Goulet, MD
Annual Meeting Program Chair

James A Goulet, MD
Dear Colleagues:

We are proud to welcome you to our Twin Cities – Minneapolis and St. Paul – for the 28th Annual Meeting of the Orthopaedic Trauma Association. The meeting venue will be the Minneapolis Convention Center, conveniently located in downtown Minneapolis.

We hope that during your visit you will be able to enjoy the many outstanding attractions that the Twin Cities and the State of Minnesota have to offer. The convention center is located at the south end of what is known as the Nicollet Mall, a nearly mile long mall filled with restaurants and shopping. Within close walking distance are both Target Field and Target Center, home of the Minnesota Twins and Timberwolves, respectively. Also relatively close by are a number of theaters and museums. The world-famous Mall of America is easily accessible by car, taxi, or light-rail. For those interested in walking, running, or bicycling, the “Chain of Lakes” is a short distance away.

Most significantly, this year’s OTA meeting happens to be Marathon weekend in Minneapolis and St. Paul. There will be a series of fun events for families on Friday and Saturday. On Sunday, Oct 7, the Twin Cities Marathon and Twin Cities 10 miler will be held. The Twin Cities Marathon is regarded as one of the most beautiful urban marathons in the U.S. and is an ideal race for a first-time marathoner. Even if you don’t run, you are in for a treat if you stay around Sunday morning and are able to watch the race and see for yourself the enthusiasm of the crowd.

For those interested in spectator sports, the Minnesota Vikings schedule has not been released; if you are a fan of professional football, please stay tuned once the schedule is announced. If we’re lucky, the Minnesota Twins might be playing a Divisional series - stay tuned as the baseball season progresses. The Minnesota Golden Gophers Football team is not playing OTA weekend.

October weather in Minneapolis can be very unpredictable. Last year the weather was summer-like, while in other years the temperature can be near freezing. Please bring clothes appropriate for both warm and moderately cold weather, and be prepared for the possibility of rain.

We are very grateful the OTA has chosen to visit Minneapolis again for this outstanding event.

We hope you enjoy your time in the Twin Cities.

Regards,

Peter A Cole, MD
Andrew H Schmidt, MD
David C Templeman, MD
Mission Statement
The mission of the Orthopaedic Trauma Association (OTA) is to promote excellence in care for the injured patient, through provision of scientific forums and support of musculoskeletal research and education of Orthopaedic Surgeons and the public.

Vision Statement
The OTA will be the authoritative source for the optimum treatment and prevention of musculoskeletal injury, will effectively communicate this information to the Orthopaedic and medical community and will seek to influence healthcare policy that affect care and prevention of injury.

Value Statement
The OTA is adaptable, forward thinking and fiscally responsible and is composed of a diverse worldwide membership who provide care and improve the knowledge base for the treatment of injured patients. OTA members provide worldwide leadership through education, research and patient advocacy.

Pre-Meeting Courses/Events
Basic Science Focus Forum .............................................. 6 – 9
Orthopaedic Trauma Boot Camp ........................................... 10 – 11
Grant Writing Workshop ...................................................... 12
International Trauma Care Forum ......................................... 13 – 15
Masters Level Trauma Coding Course .................................... 16
Young Practitioners Forum .................................................... 17

Annual Meeting and Events
Program (Thursday) ............................................................. 20 – 21
Welcome Reception ............................................................. 21
Program (Friday) ................................................................. 22 – 27
Skills Labs (Friday morning) .................................................. 22
Skills Labs (Friday afternoon) .................................................. 23
Schedule At-A-Glance ........................................................... 24 – 25
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Skills Lab (Saturday morning) .................................................. 28

Concurrent Courses
Orthopaedic Trauma for NP’s and PA’s ..................................... 34 – 36
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Industry Symposia, Skills Labs, Mini-Symposia and Case Presentation Descriptions ........................................... 43 – 46
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Register Today at www.ota.org
Target Audience
The Orthopaedic Trauma Association (OTA) Annual Meeting is for the benefit of orthopaedic trauma surgeons and related allied health care professionals.

Objectives
The OTA is an organization dedicated to the discovery and dissemination of knowledge and information regarding the prevention, diagnosis, and treatment of musculoskeletal injuries.

The 28th OTA Annual Meeting will provide all registrants the opportunity to witness presentations of peer-reviewed original basic science and clinical research papers, posters and symposia that present current concepts for topics of general interest.

A multitude of mini-symposia, bio-skills labs, informal case presentations, and technical exhibits, each with specific focus, will enable a customized educational experience.

Ample opportunity will be available for expression of common concerns, sharing of relevant experiences and discussion of alternative treatment approaches.

After attending the OTA Annual Meeting, participants will be able to:

- Discuss the most up-to-date clinical and basic science advancements related to orthopaedic trauma
- Become familiar with the epidemiology of worldwide fracture care and understand practical solutions to improve care
- Understand the changing landscape of US Health Policy reform
- Recognize the impact of automotive trauma and the partnership between the automotive industry, crash research institutes and the surgeons who have helped prevent and limit sequelae of vehicle-related injury
- Become familiar with how to set up and run a fragility fracture program

2012 Annual Meeting Program Committee

James A Goulet, MD – Program Chair
Thomas F Higgins, MD – Program Co-Chair

Committee:
Victor A de Ridder, MD, PhD
Michael J Gardner, MD
Pierre Guy, MD, MBA
Michael D McKee, MD

Theodore Miclau, III, MD
Robert V O’Toole, MD
John T Ruth, MD

Local Hosts:
Peter A Cole, MD, Andrew H Schmidt, MD and
David C Templeman, MD

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Basic Science Focus Forum .................... 6 - 9
Theodore Miclau, III, MD, Chair

Orthopaedic Trauma Boot Camp .............. 10 - 11
Robert F Ostrum, MD; Daniel S Horwitz, MD
and Steven J Morgan, MD, Co-Chairs

Grant Writing Workshop ....................... 12
Todd O McKinley, MD and Brett D Crist, MD, Co-Chairs

International Trauma Care Forum ............ 13 - 15
William G DeLong, Jr, MD; Andrew H Schmidt, MD
and Saqib Rehman, MD, Co-Chairs

Masters Level Trauma Coding Course .......... 16
William R Creevy, MD, Chair

Young Practitioners Forum .................... 17
Lisa K Cannada, MD, Chair
2012 OTA Pre-Meeting Course
Basic Science Focus Forum
The Basic Science Focus Forum is co-branded by the OTA and ORS.

Theodore Miclau, III, MD, Chair

Attendees of this activity can earn up to 11.25 AMA PRA Category 1 Credits™.

Wednesday, October 3, 2012

7:25 am
INTRODUCTION
Theodore Miclau, III, MD, Program Chair

7:30 am – 8:40 am
SYMPOSIUM 1
BIOMECHANICALLY-DIRECTED FIXATION: HOT TOPICS
Moderators: Emil H Schemitsch, MD  Joan E Bechtold, PhD

7:30 am
Clavicle Plating: Should It Be Superior or Anterior?
Michael D McKee, MD

7:38 am
Proximal Humerus: What Is the Ideal Fixation Construct?
Michael J Gardner, MD

7:46 am
Distal Humerus: Parallel or Perpendicular Plating?
Emil H Schemitsch, MD

7:54 am
Nail vs. Plating for IT Hip Fractures: What Is the Biomechanical Evidence?
Kenneth A Egol, MD

8:02 am
Distal Femur: Retrograde Nail or Locked Plate?
Philip J Kregor, MD

8:10 am
Proximal Tibia: How Many Plates are Enough?
Philip R Wolinsky, MD

8:18 am
Discussion

8:40 am – 9:38 am
PAPER SESSION 1
BIOMECHANICALLY-DIRECTED FIXATION: HOT TOPICS
Moderators: Emil H Schemitsch, MD  Joan E Bechtold, PhD

8:40 am
Overview
Presenter: Joan E Bechtold, PhD

8:50 am
PAPER #1
Biomechanics of Short-Segment Fixation In an Unstable Thoracolumbar Flexion-Distraction Injury Model: Six-Screw Construct With and Without Facet Compression
Robert P Norton, MD; Edward L Milne; David N Kaimrajh, MS; Frank J Eismont, MD; Loren L Latta, MD, PhD; Seth K Williams, MD

9:02 am
PAPER #2
Optimizing The Biomechanics of Iliosacral Screw Fixation: The Importance of Washers and Avoiding Lateral Cortex Perforation
Julius A Bishop, MD; Anthony W Behn, MS; Tiffany N Castillo, MD

9:14 am
PAPER #3
Screw Stripping: Can We Trust The “Bailout” Screw?
Amir M Matityahu, MD; Gudrun Mirick, MD; Meir Marmor, MD

9:28 am
PAPER #4
Intertrochanteric Fracture Optimal Lag Screw Placement Revisited: A Biomechanical Study
Patrick M Kane, MD; Wendell M R Heard, MD; Nikhil Thakur, MD; David Paller, MS; Sarah Koruprolu, MS; Christopher T Born, MD

Target Audience
Academic orthopaedic surgeons, community surgeons with an interest in clinically relevant basic science, basic and clinical researchers, residents and fellows will benefit most from this Basic Science Focus Forum.

Objectives
Upon successful completion of the Basic Science Focus Forum, you will be able to:

- Review clinical relevance for hot topics in biomechanically-directed fixation
- Understand etiology of and therapy for venous thromboembolism in trauma patients
- Review the epidemiology and treatment of atypical femur fractures
- Know about state-of-the-art technologies and practices in intraoperative imaging
- Recognize the cycle of innovation and its importance to clinical research
9:20 am  PAPER #5
Biomechanical Measurements of Cyclic Preconditioning on Cadaveric Whole Canine Femurs
Emil H Schemitsch, MD; Christopher H Gallimore, MD; Alison J McConnell; Harshita Patel, DDS; Rosane Nisenbaum, PhD; Golam Morshed; Henry Koo, MD; Michael D McKee, MD; Habiba Bougherara, PhD; Rad Zdero, PhD

9:26 am  PAPER #6
Mechanical Behavior and Failure Mode for Cross-Threaded Locking Screws
Jacob L Cartner, BS; Tim Petteys; Paul Tornetta, III, MD

9:32 am  Discussion

9:38 am  Break

9:55 am  PAPER SESSION 2
VENOUS THROMBOEMBOLISM
Moderators: Steven A Olson, MD William H Geerts, MD

11:05 am  PAPER #7
Nottingham Trauma Symptomatic Venous Thromboembolism Risk Score (NotSVTE): Predicting Venous Thromboembolism in Acute Trauma Admissions. A Multicenter Validated Risk Score Based on 13,347 Serial Admissions
Benjamin J Ollivere, FRCS, MBBS, MD; Katie E Rollins, MBBS; E Paul Szypryt; Christopher G Moran, MD, FRCS; Philip Johnston, BA; James M Hunter, MD; Andrea J Dolenc, BS

11:21 am  PAPER #8
Pulmonary Complications Are Reduced With a Protocol to Standardize Timing of Fixation Based on Response to Resuscitation
Heather A Vallier, MD; Timothy A Moore, MD; John J Como, MD; Patricia A Wilczewski, RN, BSN; Michael P Steinmetz, MD; Karl G Wagner, MD; Charles E Smith; Xiaofeng Wang, PhD; Andrea J Dolenc, BS

11:27 am  PAPER #9
Treatment and Complications in Orthopaedic Trauma Patients With Pulmonary Embolism
Yelena Bogdan, MD; Paul Tornetta, III, MD; Ross K Leighton, MD; H Claude Sagi, MD; Charles C Nalley, MD; David W Sanders, MD; Judith A Siegel, MD; Brian H Mullis, MD; Thomas B Bemenderfer, MD; Heather A Vallier, MD; Alyssie Boyd, MA; Andrew H Schmidt, MD; Jerald R Westberg, BS; Kenneth A Egol, MD; Stephen A Kottmeier, MD; Cory A Collinge, MD; Robert A Probe, MD

11:33 am  Discussion

11:39 pm – 12:45 pm
Lunch

12:45 pm – 1:55 pm  SYMPOSIUM 3
ATYPICAL FEMUR FRACTURES
Moderators: Joseph Borrelli, Jr, MD Saam Morshed, MD, PhD

12:45 pm  Did Experimental Evidence Tell Us of the Problems with Long Term Bisphosphonate Use?
Joseph M Lane, MD

12:55 pm  Making the Observation: From the First Cluster of Events to Quantifying the Risk
Saam Morshed, MD, PhD

1:05 pm  When are Large Trials not Large Enough to Give Us Answers?
Brad A Petrisor, MD

1:15 pm  Lessons Learned: How Do We Avoid This Type of Problem from Happening Again?
Susan V Bukata, MD

1:25 pm  Bisphosphonate-Related Femur Fractures: Outcomes of Operative and Non-Operative Management
Kenneth A Egol, MD

1:35 pm  Discussion

1:55 pm – 3:01 pm  PAPER SESSION 3
BONE REPAIR
Moderators: Joseph Borrelli, Jr, MD Andrew H Schmidt, MD

1:55 pm  Overview
Joseph Borrelli, Jr, MD
Basic Science Focus Forum, cont’d
Wednesday, October 3, 2012

2:05 pm  PAPER #10
Inhibit Macrophage Activation During Fracture Repair Improves Fracture Healing In Aged Mice
Yan Yiu Yu, PhD; Theodore Miclau, III, MD; Ralph S Marcucio, PhD

2:11 pm  PAPER #11
The Role of The Progressive Ankylosis Protein (Ank) In Bone Fracture Healing
Martin Quirno, MD; Scott R Hadley, MD; Kenneth A Egel, MD; Thorsten Kirsch, PhD

2:17 pm  PAPER #12
Role of Htra1 In The Transition From Cartilage To Bone In Fracture Healing
Marie E Walcott, MD; John J Wixted, MD; David C Ayers, MD; Paul J Fanning, PhD

2:23 pm  PAPER #13
Tracking The Homing of Mesenchymal Stem Cells and Efficacy of Their Healing Potential In A Mouse Fracture Model
Tina Deger, MD; J Tracy Watson, MD; Zijun Zhang, MD, PhD; Walter Akers, DVM, PhD

2:49 pm  PAPER #16
Cell Viability and Osteogenic Potential of Bone Graft Obtained via Iliac Crest Versus Reamer-Irrigator-Aspirator
Harmeeth S Uppal, MD, MS; Blake E Peterson, BS; Michael Misfeldt, PhD; David A Volgas, MD; Yvonne M Murtha, MD; Gregory J Della Rocca, MD, PhD, FACS; Theodore J Choma, MD; James P Stannard, MD; Brett D Crist, MD, FACS

2:55 pm  Discussion

3:01 pm  Break

3:20 pm – 4:35 pm
SYMPOSIUM 4
INTRAOPERATIVE IMAGING
Moderators: Edward J Harvey, MD
Amir M Matityahu, MD

3:20 pm  PAPER #17
Accurate Screw Placement For Displaced Intraarticular Calcaneus Fractures
Jaron P Sullivan, MD; Phinit Phisitkul, MD; J Lawrence Marsh, MD; Jessica Goetz, PhD

3:20 pm  PAPER #18
Notch Signaling In Mesenchymal Stem Cells (Msc) Harvested From Geriatric Mice
Patricia L Mutyaba, BS; Hailu Shitaye; Nicole Belkin, MD; Chancellor Gray; Derek Dopkn; Jaimo Ahn, MD, PhD; Kurt D Hankenson, DVM

3:30 pm  PAPER #19
BMP-2 mRNA Expression After Endothelial Progenitor Cell Therapy For Fracture Healing
Ru Li, MD; Aaron Nauth, MD; Rajiv Gandhi, MD; Khalid Syed, MD; Emil H Schemitsch, MD

4:35 pm – 5:09 pm
PAPER SESSION 4
IMAGING-ASSISTED RESEARCH
Moderators: Edward J Harvey, MD
Amir M Matityahu, MD

4:35 pm  PAPER #14
Overview
Amir M Matityahu, MD

4:45 pm  PAPER #15
Accurate Screw Placement For Displaced Intraarticular Calcaneus Fractures
Jaron P Sullivan, MD; Phinit Phisitkul, MD; J Lawrence Marsh, MD; Jessica Goetz, PhD

4:51 pm  PAPER #16
Intraoperative Imaging: What Is New on the Horizon?
Chip Truwit, MD

5:03 pm  Discussion

5:09 pm  Adjourn
Thursday, October 4, 2012

6:30 am  Continental Breakfast
(CC Ballroom/Main Lobby)

7:25 am
INTRODUCTION
Theodore Miclau, III, MD,
Program Chair

7:30 am – 8:35 am
SYMPOSIUM 5
INSTITUTIONAL
UPDATES: STATE OF
MUSCULOSKELETAL
RESEARCH
Moderators: Theodore Miclau, III, MD, R Geoff Richards, PhD

7:30 am
NIH/National Institutes of Arthritis,
Musculoskeletal, and Skin Diseases
Intramural Program
Leon J Nesti, MD

7:45 am
AO Research Institute
R Geoff Richards, MD

8:00 am
US Army Institute of Surgical Research
Joseph C Wenke, MD

8:15 am
Discussion

8:35 am – 9:38 am
PAPER SESSION 5
MUSCULOSKELETAL
INFECTION
Moderators: Theodore Miclau, III, MD, R Geoff Richards, PhD

8:35 am
Overview
R Geoff Richards, PhD

8:45 am  PAPER #20
Electrospun Pva/Cyclodextrin/
Tobramycin Nanofibrous Scaffold For Bone Infection
David C Markel, MD; Weiping Ren, PhD, MD

8:51 am  PAPER #21
Nanoparticle-Antimicrobial Complexes for the Treatment of Intracellular Staphylococcus aureus Osteoblast Infections
David I Devore, PhD; Crystal Archer; Asa Vaughan; Maria Cormier; Krista L Niece

8:57 am
Discussion

9:02 am  PAPER #22
Anti-Infection Trauma Devices With Drug-Releasing and Nonfouling Surface Modification
Hao Wang, MD; Karen D Schultz, MD; Koby J Elias, BS; Christopher Loose, PhD

9:08 am  PAPER #23
A Novel SCPP Scaffold Composite For Erythromycin Release In A Mouse Infection Model
David C Markel, MD; Nancy M Jackson, PhD; Jeffery Flynn, MD; Weiping Ren, PhD, MD

9:14 am
Discussion

9:19 am
Break

9:35 am – 10:25 am
SYMPOSIUM 6
CYCLE OF INNOVATION
Moderators: Mohit Bhandari, MD, PhD, Saam Morshed, MD, PhD

9:35 am
The Cycle of Innovation: Is There an Ideal Approach?
Mohit Bhandari, MD, PhD

9:45 am
Taking Early Innovation into the Clinical Arena
Paul Tornetta, III, MD

9:55 am
Taking Promising Innovation into Clinical Practice: What are the Studies We Should be Doing?
Saam Morshed, MD, PhD

10:10 am
Getting through the FDA Approval Process
Thomas A Russell, MD

10:25 am
Discussion

10:45 am – 11:19 am
PAPER SESSION 5
CLINICAL RESEARCH
Moderators: Mohit Bhandari, MD, PhD, Saam Morshed, MD, PhD

10:45 am
Overview
Saam Morshed, MD, PhD

10:55 am  PAPER #24
Research in Orthopaedic Trauma: Has Anything Changed Since the Introduction of Levels of Evidence?
Brian P Cunningham, MD; Gilbert R Ortega, MD, MPH; Ryan McLemore, PhD; Alexander C McLaren, MD

11:01 am
Discussion

11:19 am
Adjourn

11:15 am- INDUSTRY SYMPOSIA
12:45 pm  (Lunch Included)

Register Today at www.ota.org
Target Audience

This course is intended for the practicing orthopaedic surgeon who takes emergency room or trauma call. Current techniques in operative care will be stressed with attention to appropriate soft tissue management and up-to-date implant selection. Case discussions will be used for interactive learning and audience participation.

Objectives

Upon successful completion of the Boot Camp, you will be able to:

- Understand current indications for operative and non-operative treatment of fractures and dislocations
- Comprehend appropriate surgical techniques, approaches, and implant selections for fracture care
- Recognize the importance of careful soft tissue techniques
- Analyze critically ill traumatized patients and practice appropriate temporary stabilization procedures and establish protocols for transfer

Program

6:15 am  Registration and Continental Breakfast (CC Ballroom/Main Lobby)

7:00 am  WELCOME and ANNOUNCEMENTS

7:05 am  Clavicle Fractures
Robert A Probe, MD

7:25 am  Proximal Humerus Fractures
John T Capo, MD

7:45 am  Distal Humerus Fractures
David C Teague, MD

8:05 am  Olecranon Fractures
Erik Kubiak, MD

8:25 am  Distal Radius Fractures
Thomas F Varecka, MD

8:45 am  Questions/Discussion

9:00 am  Break

9:20 am  CASE PRESENTATIONS

9:40 am  Open Fractures
Robert F Ostrum, MD

10:00 am  Orthobiologics
J Tracy Watson, MD

10:20 am  Initial Management of Polytrauma Patient
Wade R Smith, MD

Wednesday, October 3, 2012

10:40 am  DVT Prophylaxis in Trauma Patients
Frank A Liporace, MD

11:00 am  Questions/Discussion

11:15 am  CASE PRESENTATIONS

11:35 am  Break for lab

11:45 am  LAB 1  Proximal Humerus Locking Plate
LAB 2  Distal Radius Plating – Locked Volar, Focal Dorsal

12:30 pm  Working Fireside Lunch
Moderator: Robert F Ostrum, MD

1:00 pm  Pelvic Fractures: What Is Stable?
Mark C Reilly, MD

1:20 pm  Acetabulum Fractures
H Claude Sagi, MD

1:40 pm  Femoral Neck Fractures in Younger Patients
J Tracy Watson, MD

2:00 pm  Femoral Neck Fractures in Elderly: ORIF, Monopolar, or THR
Kenneth J Koval, MD

2:20 pm  Intertrochanteric Fractures: IMHS vs. DHS
Jeffrey O Anglen, MD

2:40 pm  Questions/Discussion
**Wednesday, October 3, 2012, cont’d**

2:55 pm  
**CASE PRESENTATIONS**  
*Robert F Ostrum, MD*

3:15 pm  
Break

3:35 pm  
**Antegrade Femoral Nailing**  
Daniel S Horwitz, MD

3:55 pm  
**Retrograde Femoral Nailing**  
Dolfi S Herscovici, DO

4:20 pm  
**Supracondylar Femur Fractures**  
Paul Tornetta, III, MD

4:40 pm  
Questions/Discussion

4:55 pm  
**CASE PRESENTATIONS**  
*Frank A Liporace, MD*

5:15 pm  
Adjourn

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**Thursday, October 4, 2012**

6:15 am  
**Continental Breakfast**  
(CC Ballroom/Main Lobby)

7:00 am  
**Periprosthetic Fractures**  
George J Haidukewych, MD

7:20 am  
**Role and Technique for Spanning External Fixation**  
Jeffrey O Anglen, MD

7:40 am  
**Patella Fractures**  
Joshua Langford, MD

8:00 am  
**Tibial Plateau Fractures**  
Steven J Morgan, MD

8:20 am  
Questions/Discussion

8:35 am  
**CASE PRESENTATIONS**  
*Erik Kubiak, MD*

8:55 am  
Break

9:15 am  
**LAB 1**  
Distal Femoral Plating

**LAB 2**  
Proximal Tibia Plating

9:35 am  
**CASE PRESENTATIONS**  
*J Tracy Watson, MD*

10:15 am  
**Tibial Shaft Fractures**  
Philip R Wolinsky, MD

10:35 am  
**Tibial Shaft Nonunions**  
Gerald J Lang, MD

10:55 am  
**Pilon Fractures**  
Steven J Morgan, MD

11:15 am  
**Talus Fractures**  
Dolfi Herscovici, Jr, DO

11:35 am  
**Calcaneus Fractures**  
Erik Kubiak, MD

11:55 am  
Questions/Discussion

12:15 pm  
**CASE PRESENTATIONS**  
*Robert F Ostrum, MD*

12:35 pm  
**Adjourn**

Box lunches will be available to course participants.

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**Support the OTA 2012 RESEARCH CAMPAIGN...**

The OTA gratefully acknowledges all current and past OTA Research Fund Donors. Please be sure to pick up your donor ribbon at registration, and wear it throughout the meeting.

Donations can be made via the OTA website or by calling (847) 698-1631.

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**OTA Membership**

New and Prospective Members are invited to attend an OTA NEW MEMBER LUNCHEON!

**FRIDAY, OCTOBER 5, 2012**

**NOON - 1:00 PM**

Can’t make the luncheon? Stop by the OTA Membership Booth in the registration foyer and learn what the OTA has to offer you!
Target Audience
This workshop is designed for any surgeon who is interested in writing competitive peer-reviewed grants. It is particularly suited for younger faculty, trauma fellows and senior level residents who are going to pursue a career in orthopaedic trauma. The workshop will cover principles that apply to both entry level grants (i.e. OTA-sponsored grants) and secondary higher-order funding such as NIH or DOD level grants.

Objectives
Upon successful completion of the OTA/ORS Grant Writing Workshop, you will be able to:
• Identify the mechanics of writing a successful research grant
• Understand the grant review process

Program
6:30 am Registration and Continental Breakfast (CC Ballroom/Main Lobby)

7:25 am INTRODUCTION
Todd O McKinley, MD, Chair, OTA Research Committee

DIDACTICS:
7:30 am – 9:30 am MECHANICS OF A GRANT

Wednesday, October 3, 2012

7:30 am Introduction and Specific Aims
Stephen L Kates, MD

7:50 am Background and Significance
Denis R Clohisy, MD

8:10 am Discussion

8:30 am Previous Work/ Experimental Design and Methods
Thomas D Brown, PhD

8:55 am Alternative Strategies/Limitations
Joseph (Jody) A Buckwalter, MD, PhD

9:15 am Discussion

9:30 am Break

10:00 am – 11:00 am SUPPORTING DOCUMENTATION
10:00 am Biosketches
Joan E Bechtold, PhD

10:15 am Collaborations
Marc F Swiontkowski, MD

10:30 am Budget and Budget Justification
Theodore Miclau, III, MD

10:45 am Discussion

11:00 am – 12:00 pm OPTIMIZING YOUR CHANCES OF SUCCESS

11:00 am Understanding the Review Process: “Funding Opportunities at the National Institutes of Health”
James S Panagis, MD, MPH (via Skype)

11:20 am Pearls and Pitfalls: What Have I Learned from Wins and Losses
Regis J O’Keefe, MD, PhD

11:40 am Discussion

12:00 pm Lunch

SMALL GROUP ACTIVITIES:
(Groups of 3 to 4 attendees per faculty in small group discussions)

1:00 pm – 3:00 pm All Faculty
(Attendees and faculty will be required to read a library of grants prior to the workshop for these discussions).
• Successful Grant Review and Discussion
• Marginal Grant Review and Discussion
• Rejected Grant Review and Discussion

3:00 pm Break

3:30 pm – 4:45 pm All Faculty
Mock Grant Review

4:45 pm – 5:30 pm All Faculty
Discussion of Mock Grant Review, Small Group Activities and Closing Remarks
Brett D Crist, MD and Todd O McKinley, MD, Co-Chairs, OTA/ORS Grant Writing Workshop

Attendees of this activity can earn up to 8 AMA PRA Category 1 Credits™.
Target Audience

The Orthopaedic Trauma Association (OTA) Annual Meeting is for the benefit of orthopaedic trauma surgeons and related allied health care professionals with an interest in international trauma healthcare.

Objectives

Attendees of the International Orthopaedic Trauma Care Forum will:
- Learn about the varied methods of treating fracture and trauma complications from around the world
- Become familiar with unique approaches to lower extremity injuries treated in areas of the world that have limited resources
- Increase understanding and knowledge of research opportunities internationally
- Learn about state of the art methods to manage osteomyelitis and open fractures

Program

7:00 am  Registration and Continental Breakfast
(CC Ballroom/Main Lobby)

7:45 am  INTRODUCTION
William DeLong, MD
International Committee Chair

Wednesday, October 3, 2012

7:55 am – 8:25 am
SYMPOSIUM 1
COMPARING TRAUMA SYSTEMS FROM TWO NATIONS: CHINA and MEXICO
Moderator: Peter Giannoudis, MD

Case Presentations - Question and Answer Session
Mexico:
- Fryda Medina, MD
- Fernando de la Huerta, MD
- Graciela Gallardo García, MD

China:
- Jiaying Xu, MD
- Manyi Wang, MD

8:15 am
Chinese Primary Trauma Care: A Novel Program to Improve the Trauma Care Situation in China
Jiaying Xu, MD

8:25 am – 10:38 am
PAPER SESSION 1
FRACTURES OF THE LOWER EXTREMITY
Moderators: Saqib Rehman, MD
David C Templeman, MD

8:25 am
Comparison of Functional Outcome between Hollow Nail and Solid Nail (SIGN®) in the Management of Tibial Shaft Fractures (Nepal)
Rajiv Maharjan, MD

8:33 am
Management of Open Tibia Fractures in the Developing World Using the SIGN Intramedullary Nail (Africa)
Daniel Galat, MD

8:41 am
Evaluation of results of Sign Interlock Nailing in open diaphyseal fractures of Tibia in Indian Scenario (India)
Amitava Narayan Mukherjee, MD

8:49 am
Treating Pediatric Diaphysial Femur Fractures with SIGN-Fin and Pediatric Nails (Pakistan)
Shahab-ud-Din, MD

8:57 am
Discussion

9:12 am
Can we Place an IM-Nail in Infected Non-unions of Tibia (Pakistan)
Faseeh Shahab, MD

9:20 am
Correction of Posttraumatic Flexion Contracture of knee Using Ilizarov Technique (China)
Shengsong Yang, MD

9:28 am
Distal Tibiofibular Synostosis After Ankle Fractures (China)
Ting Li, MD

9:36 am
External Fixator to IM Nail: Can It Be Done in Single Surgery? (Pakistan)
Shahab-ud-Din, MD

9:44 am
Discussion

9:59 am
External vs Internal Malrotation following Locked Intramedullary Nailing for Fracture Shaft Femur in Adults (India)
Navendu Goyal, MD
10:07 am
Periprosthetic Fracture After Locked Plating In The Osteoporotic Fracture Patients (Korea)
Ki Chul Park, MD

10:15 am
Outcome of Nonoperative Versus Operative Treatment For Pure Compression Fractures of Anterior Lateral Tibial Plateau: A Retrospective Study of 54 Patients (China)
Donghua Hang, MD

10:23 am
Discussion

10:38 am
Break

10:58 am – 12:25 pm
PAPER SESSION 2
INJURIES TO THE PELVIS AND HIP
Moderators: Steven J Morgan, MD
Jeffrey O Anglen, MD

10:58 am
Trochanteric Fractures in Latin America: Is There Any Reason for Operating these Patients Out of Regular Working Hours? (Brazil)
Mauricio Kfuri, MD

11:06 am
Outcome of Major Pelvic Trauma Surgery without Intra-operative Imaging in Ethiopia (Ethiopia)
Lucas Anderson, MD

11:14 am
Retrograde Nailing In Periprosthetic Femoral Shaft Fractures About Hip Arthroplasty Stems (Russia)
Alexander N Chelnokov, MD

11:22 am
Discussion

11:38 am
The Treatment With Intramedullary Hip Screw In The Intertrochanteric Fractures: A Clinical Outcome Study With A Focus On Asian Patients (Thailand)
Chayanin Anghong, MD

11:46 am
Proximal Femoral Fractures Caused By Cycling Accidents In Young Patients (Israel)
Yoram A Weil, MD

11:54 am
Pipkin Fracture Dislocation Of The Hip-Long Term Outcome (India)
Ramesh Kumar Sen, MS, MBBS, PhD

12:02 pm
Risk Factors of Venous Thromboembolism In Asian Patients with Pelvic-Acetabular Trauma (India)
Sameer Aggarwal

12:10 pm
Discussion

12:25 pm
Lunch and Poster Session

1:25 pm – 2:20 pm
SYMPOSIUM 2
STATE OF THE ART CARE OF OPEN FRACTURES AND OSTEOMYELITIS
Moderator: Lewis G Zirkle, Jr, MD

1:25 pm
State of the Art Treatment of Osteomyelitis
John L Esterhai, Jr, MD

1:45 pm
State of the Art Treatment of Open Fractures
J Tracy Watson, MD

2:05 pm
Discussion

2:20 pm – 4:00 pm
PAPER SESSION 3
GENERAL MANAGEMENT OF MUSCULOSKELETAL INJURY
Moderators: Andrew H Schmidt, MD
Massimo Morandi, MD

2:20 pm
International Orthopaedic Multicenter Study Fracture Study (INORMUS) (Canada)
C J Foote, MD, MSc

2:28 pm
A Randomised Control Trial of Neurological Outcome With Different Treatment Modalities In Acute Thoracolumbar Spinal Injuries With Complete Paraplegia – A Preliminary Report (India)
Professor Rajeshwar Nath Srivastava, Sr

2:36 pm
Discussion

2:51 pm
Break

3:11 pm
Sequential Reduction Protocol Using Vector Principle For Cervical Fracture Dislocations - An Algorithm (India)
Professor Rajeshwar Nath Srivastava, Sr

3:19 pm
A Comparative Study of Posterior Fixation In Acute Unstable Thoracolumbar Injuries By Monoaxial and Polyaxial Pedicle Screws (India)
Professor Rajeshwar Nath Srivastava, Sr

3:27 pm
Shoulder Reconstruction with Nerve Transfers for Traumatic Brachial Plexus Injuries (Philippines)
Arnaldo S Favila, Jr, MD

3:35 pm
Fixator-Assisted Nailing in Shaft Fractures of the Forearm (Russia)
Alexander N Chelnokov, MD

3:43 pm
Discussion
International Orthopaedic Trauma Care Forum, cont’d
Wednesday, October 3, 2012

4:00 pm – 5:00 pm
GUEST NATION - MEXICO SYMPOSIUM

Evidence Based Practice in Orthopaedics
Introduction: William G De Long, Jr, MD
Moderators: Fernando de la Huerta, MD
Theodore Mclau III, MD

4:00 pm
Introduction
William G DeLong, Jr, MD

4:05 pm
Barriers to Research in Latin America
Fernando de la Huerta, MD

4:15 pm
Developing an International Trauma Research Consortium
Saam Morshed, MD, PhD

4:25 pm
Trauma Systems in Mexico: Can They Handle our Needs?
Fryda Medina, MD

4:35 pm
Road Traffic Crashes: Is This Our Emerging Challenge?
Graciela Gallardo García, MD

4:45 pm
Discussion

5:00 pm
Adjourn

5:15 - 6:15 pm
International Reception
All international attendees are welcome

Guest Nation Symposium
OTA 2nd Annual Guest Nation ~ Mexico

In recognition of the importance and benefits of sharing knowledge and experience with international colleagues, the OTA has instituted a Guest Nation Program. We are proud to announce that Mexico has been selected as the 2nd Annual OTA Guest Nation.

Representatives from the Congreso Nacional de Ortopedia y Traumatologia will participate in the 4:00 pm symposium. In addition, the Embassy of Mexico has been invited to send a representative to the Annual Meeting. We are pleased to have this opportunity for collaboration with our Mexican colleagues, and it will be an honor to recognize their contributions and achievements.
2012 OTA Pre-Meeting Course
Masters Level Trauma Coding Course
Margaret Maley, Senior Consultant, KarenZupko & Associates, Inc.

William R Creevy, MD, Chair

Attendees of this activity can earn up to 6 AMA PRA Category I Credits™.

Wednesday, October 3, 2012

Course Description
Margaret Maley BSN, MS, consultant with KarenZupko & Associates, Inc., returns to OTA with a 2012 coding course for orthopaedic trauma surgeons. Take advantage of the opportunity to attend a course specifically focused on coding and reimbursement issues most important to the bottom line of orthopaedic trauma surgeons.

Questions that consistently plague you and your office staff will be addressed in depth:
• How do I report the closed treatment of a fracture with manipulation if the reduction is lost and I have to perform a subsequent ORIF?
• What codes do I use to indicate that I initially placed an external fixator with the intention of taking the patient to the OR later for an ORIF?
• Why do my E&M services get denied when I report global fracture care in addition?
• If the resident or my PA reduces a fracture in the ER, what do I report when I see the patient in my office?

Learning Objectives
Upon successful completion of the Evaluation and Management (E&M) Section, you will be able to:
• Confidently report services in the ER that result in a hospital admission.
• Know what modifier is required if you see a patient in the ER and take them urgently to the operating room.

• Explain the difference between a consultation on a Medicare patient vs. a Non-Medicare patient.
• Describe how correctly linking the diagnosis to the E&M or surgical service is important in helping you avoid an audit.

Upon successful completion of the Orthopaedic Trauma Procedural Coding Course, you will be able to:
• Discuss what is included in global fracture care.
• Correctly code bone grafting, external fixation, debridement, and fracture care.
• Understand the difference between returning a patient to treat a surgical complication vs. a staged procedure.
• Correctly document and report procedures that are unrelated to surgeries done previously when you are in the "global period".
• Report the services of surgical assistants and PA’s.

About the Speaker
Margaret Maley brings over 30 years of experience in orthopaedics to her clients as a clinician and consultant. With a B.S.N. from The University of Illinois, a master’s degree from Rush University and strong clinical experience in orthopaedics, Ms. Maley has been a senior consultant with KZA for over 15 years. Her clear understanding of the current orthopaedic reimbursement challenges and unique ability to communicate with orthopaedic surgeons makes her an asset to staff and administrators alike. Margaret speaks regularly to private and academic orthopaedic departments, state orthopaedic societies, and as a featured speaker for national organizations like AAOE, The Musculoskeletal Tumor Society, The American Association of Hip and Knee Surgeons, the Western Orthopaedic Association, Gait and Clinical Movement Analysis Society, Pediatric Orthopaedic Society of North America, Orthopaedic Trauma Association and the AAOS Annual Meeting.

Course Program
8:00 am  Registration and Continental Breakfast (CC Ballroom/Main Lobby)
9:00 am – 12:00 pm  EVALUATION & MANAGEMENT ISSUES FOR THE ORTHOPAEDIC TRAUMA SURGEON
12:00 pm – 1:00 pm  Lunch
1:00 pm – 4:00 pm  SURGICAL CODING AND REIMBURSEMENT FOR THE ORTHOPAEDIC TRAUMA SURGEON
Target Audience

This course is designed for orthopaedic residents, fellows and young practitioners to promote career planning and development during residency and selection of best practice environment.

Forum Objectives

1) Increase knowledge and understanding of the fellowship, job interviewing and negotiating processes;
2) Learn important tips for young practitioners in different practice settings;
3) Identify successful strategies for financial management;
4) Increase awareness of opportunities outside the operating room including volunteer opportunities and health policy issues.

Program

7:00 am  Registration and Continental Breakfast  (CC Ballroom/Main Lobby)

8:00 am  OVERVIEW  
*Lisa K Cannada, MD, Chair*

8:07 am  Choosing a Fellowship  
Jason Tank, MD

8:13 am  Making the Most of Your Fellowship  
David C Templeman, MD

8:22 am  Panel: Finding a Job in an Overcrowded Market: Getting What You Want  
Sean T Burns, MD, Boris Zellen, Kyle Judd, MD, Karen E Hand, MD

8:47 am  The View From the Other Side of the Desk: What an Employer Looks For During an Interview  
Douglas W Lundy, MD

9:00 am  Negotiating  
M Bradford Henley, MD

9:24 am  How to Get What You Want in a Hospital  
Aaron G Osborne, DO

9:36 am  Questions

9:51 am  Break

10:06 am  How to Use and Maximize Ancillary Staff  
Matthew R Craig, MD

10:14 am  Things You Never Thought of that Make a Difference  
J Tracy Watson, MD

10:27 am  Top 10 Tips & Tricks for Operating By Yourself (includes video)  
Troy Caron, DO

10:43 am  Tips for Preparing for Your Boards, Part II  
Jodi Siegel, MD

10:51 am  Questions

11:02 am  Preparing for the Road Ahead: Maximizing Opportunity  
Todd O McKinley, MD

11:13 am  Tips for Personal Finance Success  
Roy Sanders, MD

11:31 am  Keynote Address: Know the Evidence & Question Everything  
Paul Tornetta, III, MD

11:55 am  Wrap Up

12:00 pm  Lunch Session

This will be an open session for question and answers after our two panelist speak

The Reality of Relationship Failure  
Robert P Dunbar, Jr., MD

Avoiding Burnout & Finding Balance  
J Lawrence Marsh, MD

Perspectives from a Wife, Mother and Surgeon  
Yvonne Murtha, MD

1:00 PM  ANNUAL MEETING BEGINS
Join the LOT

Member Services
Take advantage of the many OTA member services....

- JOT Subscription
- Meeting Discounts
- Discussion Forum and Listserv
- Mentor Programs
- Coding and Practice Management Resources (Academic and Community)

Education
Learn the latest techniques for the management of complex orthopaedic trauma patients from leading orthopaedic trauma educators. The OTA offers educational opportunities for:

- Residents
- Young Practitioners
- Fellows
- Mid - Senior Level Orthopaedic Surgeons

Scholarships offered for most resident and fellows programs.

Research

- Research Grants
- Trauma Registry
- Conduct and Access OTA Member Surveys
- Mult-Center Studies

Professional Development and Leadership Opportunities

- 25+ Committees and Project Teams
- Resident and Fellow Education and Research Grants

Health Policy & Practice Management

- Shape Health Policy
- Develop Position Statements
- Evaluate Current Practice Management Issues and Incorporate Thoughtful Solutions

OTA Membership Dues

<table>
<thead>
<tr>
<th>Membership Type</th>
<th>USA Membership Fee</th>
<th>International Membership Fee</th>
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<tbody>
<tr>
<td>Active/Research/Senior Membership</td>
<td>$600</td>
<td>$100**</td>
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<tr>
<td>Community/Associate</td>
<td>$500</td>
<td>$130**</td>
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<tr>
<td>Candidate (Resident/Fellow)</td>
<td>$50**</td>
<td>** does not include JOT subscription</td>
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** does not include JOT subscription
Register Today at www.ota.org!

Annual Meeting

Program Chair
James A Goulet, MD

Program Co-Chair
Thomas F Higgins, MD

Minneapolis Convention Center           Photo courtesy of Meet Minneapolis.
Target Audience

The Orthopaedic Trauma Association (OTA) Annual Meeting is for the benefit of orthopaedic trauma surgeons and related allied health care professionals.

Objectives

The OTA is an organization dedicated to the discovery and dissemination of knowledge and information regarding the prevention, diagnosis, and treatment of musculoskeletal injuries. The 28th OTA Annual Meeting will provide all registrants the opportunity to witness presentations of peer-reviewed original basic science and clinical research papers, posters and symposia that present current concepts for topics of general interest. A multitude of mini-symposia, bio-skills labs, informal case presentations, and technical exhibits, each with specific focus, will enable a customized educational experience.

Ample opportunity will be available for expression of common concerns, sharing of relevant experiences and discussion of alternative treatment approaches.

After attending the Annual Meeting of the OTA, participants will be able to:

- Discuss the most up-to-date clinical and basic science advancements related to orthopaedic trauma
- Become familiar with the epidemiology of worldwide fracture care and understand practical solutions to improve care
- Understand the changing landscape of US Health Policy reform
- Recognize the impact of automotive trauma and the partnership between the automotive industry, crash research institutes and the surgeons who have helped prevent and limit sequelae of vehicle-related injury
- Become familiar with how to set up and run a fragility fracture program

Thursday, October 4, 2012

6:15 am  REGISTRATION  
(CC Ballroom/Main Lobby)

1:00 pm  WELCOME AND DONOR AWARDS  
Robert A Probe, MD  
James A Goulet, MD

1:20 pm - 2:50 pm  SYMPOSUM 1  
IMPROVING HIP FRACTURE CARE  
Moderator: Christopher G Moran, MD  
Faculty: Kjell Matre, MD; Stephen L Kates, MD; Keith M Willett, MD; Lau Tak Wing, MD

This symposium will look at the worldwide epidemiology of hip fractures and review the results of large, National Hip Fracture Registers giving level-1 epidemiological evidence. Methods of improving standards of care through audit and financial incentive will be discussed with practical suggestions on improving hip fracture care in the USA and other countries.

2:50 pm  Break  
Visit Scientific Posters & Technical Exhibits

3:20 pm – 4:52 pm  SCIENTIFIC SESSION I  
HIP FRACTURES

Moderators: John T Ruth, MD  
J Tracy Watson, MD

3:20 pm  PAPER #27  
More Reoperations After Intramedullary Nailing Compared with Sliding Hip Screws in the Treatment of AO/OTA Type A1 Trochanteric Fractures: Results After 7643 Operations Reported To the Norwegian Hip Fracture Register  
Kjell Matre, MD; Leif Ivar Havelin, MD, PhD; Jan-Erik Gjertsen; Tarjei Vinje; Birgitte Espehaug; Jonas M Fenvang, MD

3:26 pm  PAPER #28  
A Comparison of Cemented and Uncemented Bipolar Hemiarthroplasty Complications in the Early Post-Operative Period  
Ross K Leighton, MD, FRCS, FACS; Uwe Dahn, MD; Kelly Trask, BEng, MSc, CCRP

Pre-registration deadline September 4 (mail); September 10 (online) – See page 47
3:32 pm  PAPER #29  
**Internal Fixation Versus Cemented Unipolar Hemiarthroplasty for Displaced Femoral Neck Fractures in Elderly Patients With Severe Cognitive Dysfunction: A Randomized, Controlled Trial**
Carl-Johan Hedbeck, MD; Christian Inngul; Richard Blomfeldt, MD; Hans Törnvist, MD, PhD; Sari Ponzer, MD, PhD; Anders G Enooson, MD, PhD;

3:38 pm  Discussion

3:43 pm  PAPER #30  
**Treatment of Pertrochanteric Fractures (AO/OTA 31-A1 and A2): Long Versus Short Cephalomedullary Nailing**
Kaan S Irgit, MD; Zhiyong Hou, MD; Thomas R Bowen, MD; Michelle E Matzko, PhD; Cassandra M Andreychik, BA; Daniel S Horwitz, MD; Wade R Smith, MD

3:49 pm  PAPER #31  
**Short Versus Long Intramedullary Nails Used for Intertrochanteric Femur Fractures**
Kelly Carlberg, MD; Christopher Boone, MD; Denise Koueiter, MS; Kevin Baker, PhD; Jason Sadowski, MD; Patrick Wiater, MD; Gregory Nowinski, MD; Kevin Grant, MD

3:55 pm  PAPER #32  
**Locked Plating of Proximal Femur Fractures: A Multi-Center Analysis of Outcomes and Predictors of Failure**
Robert A Hymes, MD; Kelly G Kilcoyne, MD; Tyler G Marks, MD; James S Melvin, III, MD; Scott Yang; Jennifer H Wood, MD; Matt L Graves, MD; David S Weiss, MD; Michael C Tucker, MD; Lisa K Cannada, MD; Elyse S Brinkmann; J Tracy Watson, MD

4:01 pm  Discussion

4:06 pm  PAPER #33  
**Displaced Femoral Neck Fractures in Patients <60 Year of Age**
Stephen T Gardner, MD; Michael J Weaver, MD; Seth A Jerabek, MD; Mark S Vrahas, MD; Paul T Appleton, MD; Mitchel B Harris, MD

4:12 pm  PAPER #34  
**Outcomes After Treatment of Femoral Neck Fractures in Young Patients**
Andrew N Pollak, MD; Emily Hui, MPH; Renan C Castillo, MS; Bingfang Zeng, MD; Dong Wang, MD; Baotong Ma, DO

4:18 pm  PAPER #35  
**Diagnosis of Femoral Neck Fractures Present With Femoral Shaft Fractures: Do We Need Intra-Operative Radiographs?**
Simon L Amsdell, MD; John P Ketz, MD; Jonathan M Gross, MD; Catherine A Humphrey, MD; John T Gorczyca, MD; Holman Chan, MD

4:24 pm  Discussion

4:29 pm  PAPER #36  
**Delay to Surgery in Hip Fracture Patients: Effect on Mortality, Length of Stay, and Postoperative Morbidity**
Reshid Berber, MBBS, BS; Christopher G Moran, MD, FRCS

4:35 pm  PAPER #37  
**Postoperative Urinary Tract Infection Results in Higher Rates Deep Infection in Patients With Proximal Femoral Fractures**
Benjamin J Ollivere, FRCS, MBBS, MD; Thomas Kurien, MBBS; Claire Morris, MA; Daren P Forward, FRCS; Christopher G Moran, MD, FRCS

4:41 pm  PAPER #38  
**No Effects of Blood Transfusion on Survival After Hip Fracture Surgery**
S J M Smeets, MD; M Poeze, MD, PhD; Jan P A M Verbruggen, MD, PhD

4:47 pm  Discussion

4:52 pm  PAPER #39  
**PRESIDENT’S MESSAGE**
“The Changing Value Proposition of the Orthopaedic Traumatologist”
Robert A Probe, MD
OTA President
Introduced by his fellowship mentor Ronald W Lindsey, MD

5:25 pm  OTA BUSINESS MEETING
OTA Members Only

6:30 pm  WELCOME RECEPTION
Join the OTA for cocktails and a generous assortment of hors d’oeuvres at Windows on Minnesota. Windows is located on the 50th floor of the Marquette hotel, a short walk from the Convention Center.
8:00 am – 9:30 am  
**SYMPOSIUM II**  
**AUTOMOTIVE MEDICINE AND ORTHOPAEDIC TRAUMA**

Moderator: *James A Goulet, MD*

This symposium will explore the impact of lives lost and altered by automotive trauma, as well as the strides made in preventing or limiting serious injury associated with vehicle collisions. Partnerships between the automotive industry, crash researchers, rapid responder systems, and surgeons have played a critical role in reducing the morbidity and mortality associated with vehicle collisions. Speakers who will present the latest developments in this rapidly evolving field will include surgeons as well as representatives from the automotive industry and leading automotive research institutes.

6:15 am  
**REGISTRATION**  
(CC Ballroom/Main Lobby)

6:30 am – 7:45 am  
**Concurrent Breakout Sessions**

(6:15 Continental Breakfast)

**SKILLS LABS**

Joint Spanning External Fixator for Temporizing Articular Fractures (F1)  
Moderator: *Cory A Collinge, MD*

ORIF Distal Femur Fractures (F2)  
Moderator: *David P Barei, MD*

**CASE PRESENTATIONS**

Coding Update with Case-Based Learning  
Moderator: *William R Creevy, MD*

Faculty: J Scott Broderick, MD  
M Bradford Henley, MD

Pelvis and Acetabulum  
Moderator: *Paul Tornetta, III, MD*

Faculty: Thomas F Higgins, MD  
Robert F Ostrum, MD  
Philip R Wolinsky, MD

Pediatric Femur Fractures  
Moderator: *Enes Kanlic, MD, PhD*

Faculty: Amr A Abdelgawad, MD  
J Eric Gordon, MD  
Marc F Swiontkowski, MD

Proximal Humerus Fractures  
Moderator: *Utku Kandemir, MD*

Faculty: Michael J Gardner, MD  
John T Gorczyca, MD  
Michael D McKee, MD  
Milan K Sen, MD

9:30 am  
**Break**

Visit Scientific Posters & Technical Exhibits

10:00 am – 11:15 am  
**ANNUAL MEETING**  
**CONCURRENT SESSIONS**

a) **Mini Symposia**
b) **Scientific Session II**

**FOOT AND ANKLE**

Moderators: *Pierre Guy, MD, MBA*  
*David W Sanders, MD*

**MINI SYMPOSIA**

Workers Compensation: An Orthopaedic Trauma Perspective  
Moderator: *Hassan R Mir, MD*

Faculty: Lisa K Cannada, MD  
Cory A Collinge, MD  
A Alex Jahangir, MD  
William T Obremskey, MD, MPH  
Manish K Sethi, MD

How to Establish and Run a Fragility Fracture Program (Own the Bone)  
Moderator: *James A Goulet, MD*

Faculty: Clifford B Jones, MD  
Kyle J Jeray, MD  
Marc F Swiontkowski, MD

**SCIENTIFIC SESSION II**

10:00 am  
PAPER #39  
Gravity Stress Radiographs: Does A Positive Radiograph Mean an Unstable Ankle?  
Kate Ella Bugler; George Smith, FRCS; Timothy O White, MD, FRCS

10:06 am  
PAPER #40  
Early Routine Weight Bearing is Safe in Patients With Ankle Fractures  
Kate Ella Bugler;  
Timothy O White, MD, FRCS

10:12 am  
PAPER #41  
Does the Fibula Need to Be Fixed in Complex Pilon Fractures?  
John C Kurylo, MD; Neil Datta; Kendra N Iskander, MD, MPH; Paul Tornetta, III, MD

10:18 am  
**Discussion**
10:23 am PAPER #42
Operative Treatment of Displaced Intra-Articular Calcaneal Fractures: Long Term (10-20 Years) Results in 108 Fractures Using a Prognostic CT Classification
Roy Sanders, MD; Zachary Vaupel, MD

10:29 am PAPER #43
A New Look At the Hawkins’ Classification for Talar Neck Fractures. Which Features of Injury and Treatment Are Predictive of AVN?
Stephen G Reichard, MD; Heather A Vallier, MD; Alyss J Boyd, MA; Timothy A Moore, MD

10:35 am PAPER #44
A Prospective, Randomized, Controlled Trial of the Acumed Fibular Nail Versus Standard Open Reduction and Internal Fixation for Fixation of Ankle Fractures
Timothy O White, MD, FRCS; Kate E Bugler; Paul T Appleton, MD; Margaret M McQueen, MD; Charles M Court-Brown, MD

10:41 am Discussion

10:46 am PAPER #45
Can We Tell If the Syndesmosis is Reduced Using Fluoroscopy?
Paul Tornetta, III, MD; Scott Koenig, MD; Gabriel Merlin; Yelena Bogdan, MD

10:52 am PAPER #46
Anatomic Reduction of the Syndesmosis: What Values To Trust?
Jonah Hebert-Davies, MD; Marie-Lyne Nault, MD; George Yves Laflamme, MD; Stephane Leduc, MD

10:58 am PAPER #47
The Effect of Syndesmosis Screw Removal on the Reduction of the Distal Tibiofibular Joint: A Prospective Radiographic Study
CPT Daniel J Song, MD; CPT Joseph T Lanzi, MD; MAJ Adam T Groth, MD; MAJ Matthew Drake, MD; LTC Joseph R Orchowski, MD; COL Kenneth K Lindell, MD

11:04 am PAPER #48
A Comparison of Weight-Bearing Protocols and Outcomes for Syndesmotic Ankle Fixation: Six Weeks Versus Twelve Weeks
Jeffrey E McAlister, DPM; Jeff E Schulman, MD; Noah Oliver, DPM; A Stephen Malekzadeh, MD; Cary A Schwartzbach, MD; Matthew S Levine, MD; Daniel Dziadosz, MD; Robert A Hymes, MD

11:10 am Discussion

11:15 am SATELLITE VIDEO CONFERENCE and AWARD PRESENTATION WITH ITALIAN SOCIETY OF ORTHOPAEDICS AND TRAUMATOLOGY HOSPITALS (OTODI)
Francesco Biggi, MD
OTODI Past President
Periprosthetic Fracture Treatment: An Update (When and How to Fix the Fracture vs Implant Revision) on Hip and Knee
George J Haidukewych, MD

11:30 am JOHN BORDER LECTURE
"Orthopaedic Trauma – My Perspective"
James F Kellam, MD

12:00 pm Lunch
Visist Scientific Posters & Technical Exhibits
Guided Poster Tours & Lunch (tickets required)
Women in Orthopaedic Trauma Luncheon (tickets required)
New Member Luncheon (tickets required)

1:00 pm – 2:30 pm ANNUAL MEETING CONCURRENT SESSIONS
a) Skills Labs
b) Mini Symposia
c) Scientific Session III Basic Science Papers

SKILLS LABS
ORIF Distal Radius Fractures (F3)
Moderator: Erik Kubiak, MD

ORIF Distal Tibia and Fibula Fractures (F4)
Moderator: J Tracy Watson, MD

SIGN – Surgical Implant Generation Network (F5)
Moderator: Lewis G Zirkle, MD

Register Today at www.ota.org
### Schedule At-A-Glance

#### Wednesday, October 3

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<th>Time</th>
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<tr>
<td>6:30 - 7:00</td>
<td>Registration &amp; Continental Breakfast</td>
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<td>BASIC SCIENCE FOCUS FORUM (Biomechanics) 7:25 - 9:38 AM</td>
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<td>INTERNATIONAL ORTHOPAEDIC TRAUMA CARE FORUM 7:45 - 10:38 AM</td>
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<td>MASTERS LEVEL TRAUMA CODING COURSE 9:00 - 10:00 AM</td>
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<td>10:30 - 11:00</td>
<td>BASIC SCIENCE FOCUS FORUM (Venous Thromboembolism) 9:55 - 11:39 AM</td>
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<td>MASTERS LEVEL TRAUMA CODING COURSE 10:15 - 12:00 PM</td>
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<td>LUNCH with Interactive Poster Session 12:25 - 1:25 PM</td>
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#### Thursday, October 4

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<td>BASIC SCIENCE FOCUS FORUM (Institutional Updates) (Musculoskeletal Infection) 7:25 - 9:19 AM</td>
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<td>9:00 - 9:30</td>
<td>YOUNG PRACTITIONERS FORUM (Overview, Fellowship, Employment, Negotiation) 8:00 - 9:51 AM</td>
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<td>BASIC SCIENCE FOCUS FORUM (Cycle of Innovation) (Clinical Research) 9:35 - 11:19 AM</td>
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Schedule At-A-Glance  
October 3 - 6, 2012  
Minneapolis, Minnesota

**Friday, October 5**
- **Registration & Continental Breakfast**
- **Case Presentations** 6:30 - 7:45 AM
- **Skills Labs** 6:30 - 7:45 AM
- **Orthopaedic Trauma**
  - *Nursing Course* 7:30 - 9:25 AM
  - *For NP's and PA's* 8:00 - 9:30 AM

**Break**

- **Foot & Ankle Podium Presentations** 10:00 - 11:15 AM
- **Mini Symposium:**
  - *a) Fragility Fractures*
  - *b) Workers Compensation*

- **Satellite Video Conference with OTODI**
  - "Periprosthetic Fracture Treatment: An Update (Fx vs Implant) on Hip and Knee"
  - George J Haidukewych, MD 11:15 AM
  - John Border Lecturer
  - "Orthopaedic Trauma – My Perspective"
  - James F Kellam, MD

- **Lunch**

**Break**

- **Visiting Scientific Posters and Technical Exhibits**

- **Orthopaedic Trauma**
  - *Nursing Course* 10:10 AM - 12:00 PM
  - *For NP's and PA's* 10:00 AM - 12:00 PM

- **Basic Science Podium Presentations** 1:00 - 2:03 PM

- **Mini Symposium:**
  - *a) Infections with Resistant Bacteria*
  - *b) Peri-Prosthetic Fractures*
  - *c) US Policy & Health Care Reform*

- **Skills Labs** 1:00 - 2:03 PM

- **Keynote**
  - "Tips & Tricks, Fellowship, Questions, Activities"
  - "Overview, Preparation, Keynote"

**Lunch (12:00 - 1:00 PM) and Guided Poster Tours (12:00 - 12:45 PM)**

**Visit Scientific Posters and Technical Exhibits**

**Break**

- **AECS Mini Symposium**
  - *a) 2 Minutes/2 Slides: Focus on Pelvis & Acetabulum*
  - *b) Preoperative Nightmares*

**Saturday, October 6**
- **Registration & Continental Breakfast**
- **Case Presentations** 6:30 - 7:45 AM
- **Skills Labs** 6:30 - 7:45 AM
- **Orthopaedic Trauma**
  - *Femur, Tibia & Knee Podium Presentations* 8:00 - 9:40 AM
- **Orthopaedic Trauma for NP's and PA's** 8:00 - 9:30 AM

**Mini Symposium:**
- *a) Amputations in Trauma*
- *b) Multiligament Knee Dislocation Treatment*
- *c) Orthobiologics*

- **Lunch (12:10 - 1:15 PM) and Guided Poster Tours (12:15 - 1:00 PM)**

**Visit Scientific Posters and Technical Exhibits**

- **Orthopaedic Trauma**
  - *Nursing Course* 1:00 PM - 2:30 PM
  - *For NP's and PA's* 1:00 - 3:00 PM

**Break**

- **Visiting Scientific Posters and Technical Exhibits**

- **Orthopaedic Trauma**
  - *Nursing Course* 3:05 PM - 4:35 PM
  - *For NP's and PA's* 3:30 - 5:30 PM

**Break**

- **Pelvis/Acetabulum Podium Presentations** 3:00 - 4:31 PM

- **Mini Symposium:**
  - *a) Plateaus and Pilows*
  - *b) Tools and Tips for Maximizing Physician Assistant Utilization*
  - *c) Compensation Formulas: What Works and What Doesn’t*

- **Skills Labs** 4:30 - 6:30 PM

- **Closings Remarks & Adjourn** 4:49 - 5:55 PM
Friday, October 5, 2012

1:00 pm continued

MINI SYMPOSIA

US Policy and Healthcare Reform: An Update
Moderator: William T Obremskey, MD
Faculty: A Alex Jahangir, MD
Steven A Olson, MD
Manish K Sethi, MD

Periprosthetic Fractures
Moderator: Michael D McKee, MD
Faculty: George J Haidukewych, MD
Hans J Kreder, MD
William M Ricci, MD
Emil H Schemitsch, MD

Infections with Resistant Bacteria – Are They Winning the Battle?
Moderator: Stephen L Kates, MD
Faculty: Volker Alt, MD
Edward Schwarz, PhD
Michael Suk, MD, JD, MPH

SCIENTIFIC SESSION III

BASIC SCIENCE

Moderators: Theodore Miclau, III, MD
Edward J Harvey, MD

1:00 pm PAPER #49
Intra-Articular Inhibition of Interleukin-1 Prevents Post-Traumatic Arthritis Following Articular Fracture in the Mouse Knee
Daniel S Mangiapani, MD; Evan M Zeitler, BA; Bridgette D Furman, BS; Janet L Huebner, MS; Virginia B Kraus, MD, PhD; Farshid Guilak, PhD; Steven A Olson, MD

1:06 pm PAPER #50
The Severity of Microvascular Dysfunction Due to Compartment Syndrome is Diminished by the Systemic Application of Co-Releasing Molecules (Corm-3)
Abdel-Rahman Lawendy, MD; Relka Bihari, MSc; David W Sanders, DVM, PhD; Gediminas Cepinskas

1:12 pm PAPER #51
Can Glucose Levels Diagnose Compartment Syndrome?
Christopher Doro, MD; Robert V O'Toole, MD; Thomas J Sitzman, MD

1:18 pm Discussion

1:23 pm PAPER #52
Local Bismuth Thiols Potentiate Antibiotics and Reduce Infection in a Contaminated Open Fracture Model
Jowan Penn-Barwell, MBBS; Brett Baker, MSc, DC; Joseph C Wenke, PhD

1:29 pm PAPER #53
Eradication of Wound Contamination is Improved By Synergistic Effects of Local and Systemic Antibiotic Delivery
Ben Rand; Jowan G Penn-Barwell, MBBS; Joseph C Wenke, PhD

1:35 pm PAPER #54
Chitosan: An Effective Npwt-Compatible Local Antibiotic Delivery Device
Ben Rand; Scott P Noel; Joseph C Wenke, PhD

1:41 pm Discussion
28th Annual Meeting, cont’d
Friday, October 5, 2012

3:00 pm  Mini Symposia, continued
Compensation Formulas: What Works and What Doesn’t
Moderator: William R Creevy, MD
Faculty: Timothy J Bray, MD
M Bradford Henley, MD
Roy Sanders, MD

SCIENTIFIC SESSION IV
PELVIS AND ACETABULUM
Moderators: James A Goulet, MD
H Claude Sagi, MD

3:00 pm  PAPER #57
Functional Outcomes After Nonoperative Treatment of Lateral Compression Type 1 (LC-1) Pelvic Ring Injuries With Complete Sacral Fractures
Greg Gaski, MD; Robert V O’Toole, MD; Renan Castillo, MS; Gerard P Slobogean, MD, MPH; Theodore T Manson, MD

3:06 pm  PAPER #58
Core Muscle Size and Mortality Following Nonoperative Management of Pelvic Fractures
William D Scheidler, BS; Shaun P Patel, BS; Sven A Holcombe, BS; Stewart C Wang, MD, PhD; James A Goulet, MD

3:12 pm  Discussion

3:17 pm  PAPER #59
Transiliac-Transsacral Screw Fixation in C-Type Pelvic Ring Injuries Reduces Postoperative Failure
Gregory Y Blaisdell, MD; James C Krieg, MD; Milton L “Chip” Routt, Jr, MD

3:23 pm  PAPER #60
Transiliac-Transsacral Screw Safe Zone Diameter in 1,091 Sacrums
John J Lee, MD; Alex Martusiewicz; James A Goulet, MD

3:29 pm  Discussion

3:34 pm  PAPER #61
Is Closed Reduction and Percutaneous Fixation of Type 3 Posterior Ring Injuries as Accurate as Open Reduction and Internal Fixation?
Adam Lindsay, MD; Paul Tornetta, III, MD; Amna Diwan, MD; David C Templeman, MD

3:40 pm  PAPER #62
Displaced Sacral Fractures: Do Long-Term Radiological Findings Correlate to Neurological Deficits and Pain?
Aron Adelved, MD; Anna Tötterman, MD, PhD; Thomas Glott, MD; Johan C Hellund, MD, PhD; Jan Erik Madsen, MD, PhD; Olav Reise, MD, PhD

3:46 pm  Discussion

3:51 pm  PAPER #63
Appropriateness of Angiography and Embolization in the Management of High Energy Pelvic Ring Injuries
Sean Michael Griffin, MD; Kenneth Joseph Nelson, MD; Bryan J Loeffler, MD; Brian P Scannell, MD; Michael J Bosse, MD; James F Kellam, MD; Stephen H Sims, MD; Ronald F Sing, DO; Eric A Wang, MD

3:57 pm  PAPER #64
Predictors of Functional Outcome in Operatively Treated Pelvic Ring Fractures
Patrick DG Henry, MD, FRCS(C); Richard J Jenkinson, MD, FRCS(C); Sebastian Rodriguez-Elizalde, MD, FRCS(C); David JG Stephen, MD; Hans J Kreder, MD, FRCS(C)

4:03 pm  Discussion

4:08 pm  PAPER #65
Incidence of Posterior Wall Nonunion and Efficacy of Indomethacin Prophylaxis for Heterotopic Ossification After Operative Fixation of Acetabular Fractures: A Randomized Controlled Trial
Charles J Jordan, MD; Rafael Serrano-Riera, MD; H Claude Sagi, MD

4:14 pm  PAPER #66
Senior Patients With Acetabular Fractures: Surprising Epidemiology and Mortality
William W Cross, III, MD; Milton L “Chip” Routt, Jr., MD; Sean E Nork, MD; James C Krieg, MD

4:20 pm  PAPER #67
Predicting the Need for Arthroplasty After Acetabular Open Reduction and Internal Fixation
Rebecca E Clinton, MD; Theodore T Manson, MD; Renan Castillo, PhD; Robert S Sterling, MD

4:26 pm  Discussion

4:31 pm  Adjourn
28th Annual Meeting, cont’d
Saturday, October 6, 2012

6:15 am
REGISTRATION
(CC Ballroom/Main Lobby)

6:30 am – 7:45 am
Concurrent Breakout Sessions

6:15 Continental Breakfast

SKILLS LAB
ORIF Periprosthetic Fractures of the Femur (S1)
Moderator: Raymond R White, MD

CASE PRESENTATIONS
Proximal Humerus Fractures
Moderator: Michael J Gardner, MD
Faculty: Samir Mehta, MD
Andrew H Schmidt, MD

Distal Femoral Fractures
Moderator: Darin Freiss, MD
Faculty: Amer J Mirza, MD
David C Templeman, MD
Heather H Vallier, MD

Post-traumatic Infection
Moderator: Utku Kandemir, MD
Faculty: Animesh Agarwal, MD
Bruce H Ziran, MD

Management of Physeal Fractures Around the Knee and Ankle
Moderator: David A Podeszwa, MD
Faculty: Christina A Ho, MD
Anthony I Riccio, MD
Robert L Wimberly, MD

Scapula Fracture Injuries and Treatment
Moderator: William T Obremskey, MD
Faculty: Peter A Cole, MD
Clifford B Jones, MD

8:00 am – 9:30 am
ANNUAL MEETING
CONCURRENT SESSIONS
a) Mini Symposia
b) Scientific Session V
Femur and Tibial Fractures & Knee Injuries Papers

MINI SYMPOSIA
Two Minutes / Two Slides:
Focus on the Pelvis and Acetabulum
Moderator: Pierre Guy, MD, MBA
Faculty: Kelly A Lefaivre, MD
Christopher G Moran, MD
Jason W Nascone, MD
H Claude Sagi, MD
Adam J Starr, MD
David J Stephen, MD

Preoperative Nightmares in Orthopaedic Trauma: Deal with It
Moderator: John T Gorczyca, MD
Faculty: Michael A Miranda, MD
Kevin J Pugh, MD
Michael S Sirkin, MD
Jeffrey M Smith, MD

SCIENTIFIC SESSION V
FEMUR AND TIBIAL FRACTURES AND KNEE INJURIES
Moderators: Michael J Gardner, MD
David P Barei, MD

8:06 am
PAPER #69
Gait Analysis After Retrograde and Trochanteric Entry Intramedullary Nail Fixation of Femoral Shaft Fractures
Kellen L Huston, MD; J Tracy Watson, MD; Lisa K Cannada, MD

8:14 am
PAPER #70
Radiographic Outcomes of Closed Diaphyseal Femur Fractures Treated With the SIGN Nail
Sasha P Carsen, MD; Si-Hyeong Park, MD; David A Simon, MD; Robert J Feibel, MD

8:18 am
Discussion

8:23 am
PAPER #71
Clinical and Functional Outcomes in Patients Who Sustained Bisphosphonate-Associated Complete Femur Fractures
Kenneth A Egol, MD; Ji Hae Park, BS
Zehava Sadka Rosenberg, MD; Valerie H Peck, MD; Nirmal C Tejwani, MD, FRCS

8:29 am
PAPER #72
Why are Reported Nonunion Rates After Locked Plate Fixation of Distal Femur Fractures so Variable? A Multicenter Retrospective Study of 284 Fractures
Edward K Rodriguez, MD, PhD; Michael J Weaver, MD; Lindsay M Herder, BA; Jordan H Morgan, BS; David Zurakowski, PhD; Paul T Appleton, MD; Mark S Vrahas, MD

8:35 am
PAPER #73
A Comparison of More and Less Aggressive Bone Débridement Protocols for the Treatment of Open Supracondylar Femur Fractures
William M Ricci, MD; Cory A Collinge, MD; Philipp N Streubel, MD; Christopher M McAndrew, MD; Michael J Gardner, MD

8:41 am
Discussion
8:46 am  PAPER #74
Compartment Pressure Monitoring for Acute Compartment Syndrome
Margaret M McQueen, MD; Andrew D Duckworth, MBChB,BSc (Hons); Stuart A Aitken; Charles M Court-Brown, MD

8:52 am  PAPER 75
Radiographic Predictors of Compartment Syndrome After Tibial Fracture
Chris Allmon, MD; Andrew Dubina; Ebrahim Paryavi, MD, MPH; Robert V O’Toole, MD

8:58 am  PAPER #76
NIRS Versus Direct Pressure Monitoring of Acute Compartmental Syndrome in a Porcine Model
Curtis Cathcart, DVM; Michael S Shuler, MD; Lt Col Brett A Friedman, MD; Lisa Reynolds, BS RVT; Ashley L Cole, MPH; Thomas E Whitesides, Jr., MD; Emily K Smith, MPH; Steven C Budsberg, DVM DACVS

9:04 am  Discussion

9:09 am  PAPER #77
Complications Following Tension Band Fixation of Patellar Fractures with Cannulated Screws Versus Kirschner Wires
C Max Hoshino, MD; Wesley Huy Tran, MD; John V Tiberi, MD; Mary Helen Black, PhD; Bonnie H Li, MS; Stuart M Gold, MD; Ronald A Navarro, MD

9:15 am  PAPER #78
The Incidence of Meniscal Tears Requiring Repair in Tibial Plateau Fractures: A Review of 670 Patients
Daniel L Stahl, MD; Rafael Serrano-Riera, MD; Bradley Deafenbaugh, MD; Roy Sanders, MD; H Claude Sagi, MD

9:21 am  PAPER #79
Complications of High-Energy Bicondylar Tibial Plateau Fractures Treated With Dual Plating Through Two Incisions
Michael R Ruffolo, MD; Harvey E Montijo, MD; Franklin K Gettys, MD; Rachel B Seymour, PhD; Madhav A Karunakar, MD

9:33 am  PAPER #80
Risk Factors for Reoperation and Mortality Following the Operative Treatment of Tibial Plateau Fractures in Ontario 1996-2009
David Wasserstein, MD, MSc; Hans J Kreder, MD, MPH, FRCSC; Michael Paterson, MSc; Richard J Jenkinson, MD, FRCSC

9:40 am  Break
Visit Scientific Posters
& Technical Exhibits

10:10 am  PAPER #81
Radial Head Instability Following Malalignment of the Proximal Ulna: A Biomechanical Study
Emilie Sandman, MD; Fanny Canet, Ing. Jr., MScA; Yvan Petit, PhD; George-Yves Laflamme, MD, FRCSC; George S Athwal, MD, FRCSC; Dominique M Rouleau, MD, MSc, FRCSC

10:16 am  PAPER #82
Ulnar Variance as a Predictor of Persistent Instability Following Galeazzi Fracture-Dislocations
Richelle Carrie Takemoto, MD; Igor Immerman, MD; Michelle Sugi, MD; Nirmal C Tejwani, MD, FRCS; Kenneth A Egol, MD

10:22 am  Discussion

MINI SYMPOSIA

10:10 am – 11:40 am
ANNUAL MEETING
CONCURRENT SESSIONS
a)  Mini Symposia
b)  Scientific Session VI
  Upper Extremity Injuries

MINI SYMPOSIA

Amputations in Trauma: Getting the Most Out of Your Limb
Moderator: Lisa K Cannada, MD
Faculty: Romney C Andersen, MD, Col, MC; Paul J Dougherty, MD; Rahul Vaidya, MD

Orthobiologics: Where Do They Fit In Your Practice?
Moderator: Ross K Leighton, MD
Faculty: Mohit Bhandari, MD, PhD; Michael D McKee, MD; Thomas A Russell, MD

PATHOANATOMICAL CONSIDERATIONS
And Implications of Heterotopic Ossification Following Surgical Treatment of Elbow Trauma
Moderator: Gregory C Fanelli, MD; James P Stannard, MD

Risk Factors for Reoperation and Mortality Following the Operative Treatment of Tibial Plateau Fractures in Ontario 1996-2009
David Wasserstein, MD, MSc; Hans J Kreder, MD, MPH, FRCSC; Michael Paterson, MSc; Richard J Jenkinson, MD, FRCSC

10:27 am  PAPER #83
Pathoanatomical Considerations And Implications of Heterotopic Ossification Following Surgical Treatment of Elbow Trauma
George S Dyer, MD; Bryce Gillespie, MD

10:33 am  Discussion

10:40 am  PAPER #84
Ulnar Variance as a Predictor of Persistent Instability Following Galeazzi Fracture-Dislocations
Richelle Carrie Takemoto, MD; Igor Immerman, MD; Michelle Sugi, MD; Nirmal C Tejwani, MD, FRCS; Kenneth A Egol, MD

10:46 am  Discussion

10:52 am  PAPER #85
Radial Head Instability Following Malalignment of the Proximal Ulna: A Biomechanical Study
Emilie Sandman, MD; Fanny Canet, Ing. Jr., MScA; Yvan Petit, PhD; George-Yves Laflamme, MD, FRCSC; George S Athwal, MD, FRCSC; Dominique M Rouleau, MD, MSc, FRCSC

10:58 am  PAPER #86
Ulnar Variance as a Predictor of Persistent Instability Following Galeazzi Fracture-Dislocations
Richelle Carrie Takemoto, MD; Igor Immerman, MD; Michelle Sugi, MD; Nirmal C Tejwani, MD, FRCS; Kenneth A Egol, MD

11:04 am  Discussion

11:10 am  PAPER #87
Radial Head Instability Following Malalignment of the Proximal Ulna: A Biomechanical Study
Emilie Sandman, MD; Fanny Canet, Ing. Jr., MScA; Yvan Petit, PhD; George-Yves Laflamme, MD, FRCSC; George S Athwal, MD, FRCSC; Dominique M Rouleau, MD, MSc, FRCSC

11:16 am  PAPER #88
Ulnar Variance as a Predictor of Persistent Instability Following Galeazzi Fracture-Dislocations
Richelle Carrie Takemoto, MD; Igor Immerman, MD; Michelle Sugi, MD; Nirmal C Tejwani, MD, FRCS; Kenneth A Egol, MD

11:22 am  Discussion

11:27 am  PAPER #89
Radial Head Instability Following Malalignment of the Proximal Ulna: A Biomechanical Study
Emilie Sandman, MD; Fanny Canet, Ing. Jr., MScA; Yvan Petit, PhD; George-Yves Laflamme, MD, FRCSC; George S Athwal, MD, FRCSC; Dominique M Rouleau, MD, MSc, FRCSC

11:33 am  Discussion

11:40 am  Break
Visit Scientific Posters
& Technical Exhibits
10:33 am  PAPER #84  
Nonoperative Management of Displaced Olecranon Fractures  
Andrew D Duckworth, MBChB, BSc (Hons);  
Kate E Bugler;  
Nicholas D Clement, MBBS;  
Charles M Court-Brown, MD;  
Margaret M McQueen, MD

10:39 am  Discussion

10:44 am  PAPER #85  
Minimally Displaced Clavicle Fracture on Initial Trauma Survey: A Benign Injury?  
John Riehl, MD; Bill Athans, MD;  
Mark Munro, MD; Joshua Langford, MD;  
Stanley Kupiszewski, MD;  
George J Haidukewych, MD;  
Kenneth J Koval, MD

10:50 am  PAPER #86  
Progressive Displacement After Clavicle Fracture: An Observational Study  
Erich M Gauger, MD;  
Aaron R Jacobson, DC;  
Ryan E Will, MD; Peter A Cole, MD

10:56 am  PAPER #87  
Prognostic Factors for Reoperation Following Plate Fixation of Fractures of the Midshaft Clavicle  
Laura A Schemitsch; Emil H Schemitsch, MD;  
Paul R Kuzyk, MD; Michael D McKee, MD;  
Milena R Vicente, RN, CCRP

11:02 am  Discussion

11:07 am  PAPER #88  
Four-Part Fractures of the Proximal Humerus: Outcomes of Surgical and Nonsurgical Management  
Brian D Solberg, MD;  
David A Friedberg, MD;  
Dennis P Franco, MD

11:13 am  PAPER #89  
Fractures of the Greater Tuberosity of the Humerus: A Study of Associated Rotator Cuff Injury and Atrophy  
Luojun Wang; Jennifer Mutch;  
George-Yves Laflamme, MD;  
Nicola Hagemeister;  
Dominique M Rouleau, MD

11:19 am  PAPER #90  
The Impact of Preoperative Coronal Plane Deformity on Proximal Humerus Fixation With Endosteal Augmentation  
Milton Thomas Michael Little, MD;  
Marschall B Berkes, MD;  
Patrick Schottel, MD;  
Lionel Enrique Lazaro, MD;  
Lauren E Lamont, MD; Nadine Pardee;  
David L Helfet, MD; Dean G Lorich, MD

11:25 am  Discussion

11:30 am  PAPER #91  
Operative Versus NonOperative Treatment of Acute Dislocations of the Acromioclavicular Joint: Results of A Multicentre Randomized, Prospective Clinical Trial  
Michael D McKee, MD;  
Stéphane Pelet, MD, PhD, FRCSC;  
Milena R Vicente, RN, CCRP;  
Canadian Orthopaedic Trauma Society

11:36 am  PAPER #92  
Acute Compartment Syndrome of the Forearm  
Andrew D Duckworth, MBChB, BSc (Hons);  
Sarah E Mitchell, MRCS;  
Samuel G Molyneux, MRCS;  
Timothy O White, MD, FRCS;  
Charles M Court-Brown, MD;  
Margaret M McQueen, MD

11:42 am  PAPER #93  
Cast Immobilization With and Without Immobilization of the Thumb for Nondisplaced Scaphoid Waist Fractures: A Multicenter Randomized Controlled Trial  
Geert A Buizze, MD; J Carel Goslings, MD;  
Steven J Rhemrev, MD;  
Alexander A Weening, MD;  
Bart Van Dijkman, MD;  
Job N Doornberg, MD;  
David C Ring, MD, PhD;  
CAST (Collaborative Ankle Support Trial) Collaboration

11:48 am  Discussion

11:53 am  PAPER #94  
The Correlation of Age and Short-Term Outcomes in Patients Who Have Undergone Operative Fixation of Distal Radius Fractures  
John W Karl, MD, MPH;  
Patrick R Olson, MD, MS, MPH;  
Melvin P Rosenwasser, MD

11:59 am  PAPER #95  
Alignment in Nonperatively Treated Distal Radius Fractures: Are Our Current Predictors Predictive?  
Joey Lamartina, MD;  
Paul Tornetta, III, MD;  
Charlton Stucken, MD; Andrew Jawa, MD

12:05 pm  Discussion

12:10 pm  Lunch  
Last Chance to Visit Scientific Posters & Technical Exhibits

Guided Poster Tours & Lunch  
(tickets required)
1:15 pm - 2:45 pm  
ANNUAL MEETING  
CONCURRENT SESSIONS  
a) Mini Symposia  
b) Scientific Session VII  
Topics of General Interest

MINI SYMPOSIA

Alternative Solutions in Post-Traumatic Reconstruction: I Need to Make Bone  
Moderator: Samir Mehta, MD  
Faculty: Stephen Kovach, MD; L Scott Levin, MD; Stephen M Quinnan, MD; Robert D Zura, MD

Pediatric Polytrauma: Navigating Gator Country  
Moderator: Charles T, Mehimian, DO, MPH  
Faculty: Richard Falcone, Jr, MD; Steven L Frick, MD

Management of Complex Elbow Trauma  
Moderator: Kagan Ozer, MD  
Faculty: Jeffrey F Lawton, MD; Rick Papandrea, MD

SCIENTIFIC SESSION VII  
TOPICS OF GENERAL INTEREST

Moderators:  
Gregory T Altman, MD  
Robert V O'Toole, MD

1:15 pm  
PAPER #96  
Optimal Timing for Femoral Shaft Fracture Fixation Depends on Injury Severity Score and Age  
Sara C Graves, MD; Robert Victor Cantu, MD; Kevin F Spratt, PhD

1:21 pm  
PAPER #97  
Six Years’ Experience With the Reamer-Irrigator-Aspirator: Impact on Healing and Pulmonary Complications Rates in Femoral Shaft Fractures  
Anthony J Bell, MD; Pratik P Desai, MD; Michael Suk, MD, JD, MPH

1:27 pm  
PAPER #98  
Duration of Fracture Fixation Surgery in Multitrauma Patients  
Christopher E Mutty, MD; Lars M Quick, MD; Mark J Anders, MD; Cathy M Buyea, MS; Lawrence B Bone, MD

1:33 pm  
Discussion

1:38 pm  
PAPER #99  
Risk of Obtaining Routine Cultures During Presumed Aseptic Orthopaedic Procedures  
Matthew Napierala, MD; Jaime L Bellamy, DO; Clinton K Murray, MD; Joseph C Wenke, PhD; Joseph R Hsu, MD

1:44 pm  
PAPER #100  
Rapid Polymerase Chain Reaction Test for Methicillin-Resistant Staphylococcus aureus Colonization in Orthopaedic Trauma  
Holman Chan, MD; John P Ketz, MD; Catherine A Humphrey, MD; Jonathan M Gross, MD; Robert F Betts, MD; John T Gorczyca, MD

1:50 pm  
PAPER #101  
Conventional Compressive Dressings Superior to Negative Pressure Dressings for Split-Thickness Skin Graft Coverage of Traumatic Extremity Wounds  
Laurence B Kempton, MD; Timothy Larson, MD; Harvey Montijo, MD; Stephen H Sims, MD; Madhav A Karunakar, MD; Stanley Getz, MD; James F Kellam, MD; Michael J Bosse, MD

1:56 pm  
Discussion

2:01 pm  
PAPER #102  
Utilization of Two Grading Systems in Determining Risk Associated With Fracture Fixation in Multiply-Injured Patients  
Nickolas J Nahm, MD; Heather A Vallier, MD; Timothy A Moore, MD

2:07 pm  
PAPER #103  
The Influence of Insurance Status on the Surgical Treatment of Acute Spinal Fractures  
Michael Christopher Daly, MSc; S Samuel Bederman, MD, PhD, FRCSC

2:13 pm  
PAPER #104  
Prevalence of Vitamin D Insufficiency in Orthopaedic Trauma Patients  
Brett D Crist, MD, FACS; Michael A Hood, MD; Gregory J Della Rocca, MD, PhD; James P Stannard, MD; David A Volgas, MD; Yvonne M Murtha, MD

2:19 pm  
Discussion

2:24 pm  
PAPER #105  
The Cost Effectiveness and Utility of Trauma Center Care Following Major Lower Extremity Trauma  
Herman S Johal, MD, MPH; Ellen J MacKenzie, PhD

2:30 pm  
PAPER #106  
Operating Room Efficiency: Benefits of an Orthopaedic Traumatogist at a Level II Trauma Center  
Peter Althausen, MD; Daniel John Coll, MHS, PA-C; Timothy J O’Mara, MD; Timothy J Bray, MD

2:36 pm  
PAPER #107  
The Promis Physical Function Computer Adaptive Test is as Reliable and Valid as the Short Musculoskeletal Function Assessment in the Orthopaedic Trauma Population With Less Ceiling Effect  
Man Hung, PhD; Thomas F Higgins, MD; Charles L Saltzman, MD; Ami Stuart, PhD; Shirley Hon; Stefan Rhodewalt; Ashley M Woodbury, BS; Gregory M Daubs, BS; Erik Kubiak, MD

2:42 pm  
Discussion

2:47 pm  
Break
3:17 pm – 4:03 pm
SCIENTIFIC SESSION VIII
PEDIATRIC FRACTURES
Moderators: Victor A de Ridder, MD
Kelly L VanderHave, MD

3:17 pm  PAPER #108
Epidemiology of Vascular Complications in Supracondylar Humerus Fractures in the United States
Joshua Roehrich, MD; Charles T Mehlman, DO; Jun Ying, PhD

3:23 pm  PAPER #109
Complications of Retained Hardware After Plate Fixation of the Pediatric Forearm
Bryan Vopat, MD; Peter Fitzgibbons, MD; Patrick Martin Kane, MD; Christopher Got, MD; Julia A Katarincic, MD

3:29 pm  PAPER #110
Both-Bone Forearm Fractures in Children and Adolescents: Which Fixation Strategy is Superior? A Systematic Review
Keith Baldwin, MD, MSPT, MPH; Martin J Morrison, III, MD; Lauren A Tomlinson, BS; John M Flynn, MD

3:35 pm  Discussion

3:40 pm  PAPER #111
SCRATCH (Self Cast Removal at the Child’s Home): Treatment of Stable Pediatric Forearm Fractures Using Home Removable Casts Compared With Traditional Cast Therapy: A Prospective Randomized Controlled Trial
Thomas William Hamilton; Lynn Hutchings, MRCS; Jennie Wakefield; Joseph Alsousou, MRCS; Elizabeth Tutton; Emma Hodson; Clare Smith; Bridget Gray; Susanna Symonds; Keith M Willett, MD

3:46 pm  PAPER #112
Do Any Factors Influence the Development of Femoral Head Osteonecrosis in Pediatric Femoral Neck Fractures?
Patrick M Riley, Jr, MD; Melanie A Morscher, BS; M David Gothard, MS; Patrick M Riley, MD

3:52 pm  PAPER #113
Salter-Harris II Fractures of the Distal Tibia: Does Surgical Management Reduce the Risk of Premature Physeal Closure?
Franco Russo; Molly A Moor, MPH; Scott J Mubarak, MD; Andrew T Pennock, MD

3:58 pm  Discussion

4:03 pm – 4:49 pm
SCIENTIFIC SESSION IX
TIBIAL FRACTURES
Moderators: Thomas F Higgins, MD Theodore T Manson, MD

4:03 pm  PAPER #114
Character, Incidence and Predictors of Knee Pain and Activity After Implant of an Isolated Tibia Fracture
William T Obremskey, MD, MPH; Julie Agel, ATC; Kristin A Swygert, PhD; Paul Tornetta, III, MD; SPRINT Investigators

4:09 pm  PAPER #115
Intramedullary Nailing for Distal Tibial Fractures
Patrick Schottel, MD; Marschall B Berkes, MD; Milton Thomas Michael Little, MD; Lionel Enrique Lazarro, MD; David L Helfet, MD; Dean G Lorich, MD

4:15 pm  PAPER #116
Intramedullary Nailing for Distal Tibial Fractures
Martin F Hoffmann, MD; Michelle B Mulder, BS; Debra L Sietsema, PhD, RN; Clifford B Jones, MD, FACS

4:21 pm  Discussion

4:26 pm  PAPER #117
Validation of the OTA Open Fracture Classification With Data from a Prospective Cohort Study of Limb Threatening Tibia Fractures
Clifford B Jones, MD; Renan C Castillo, PhD; Anthony R Carlini, MS; Debra L Sietsema, PhD, RN; MAJ Kenneth J Nelson, MD; LTC Anthony E Johnson, MD; Michael J Bosse, MD; Ellen J Mackenzie, PhD for the LEAP Study Group

4:32 pm  PAPER #118
Soft Tissue Injury Predictors of Amputation Following Severe Open Tibia Fractures
Kenneth Joseph Nelson, MD; Anthony E Johnson, MD; Renan Castillo, MS; Anthony R Carlini, MS; Clifford B Jones, MD, FACS; Michael J Bosse, MD; Ellen J Mackenzie, PhD

4:38 pm  PAPER #119
Predictive Radiographic Markers for Concomitant Ipsilateral Ankle Injuries in Tibial Shaft Fractures
Patrick Schottel, MD; Marschall B Berkes, MD; Milton Thomas Michael Little, MD; Lionel Enrique Lazarro, MD; David L Helfet, MD; Dean G Lorich, MD

4:44 pm  Discussion

4:49 pm  Closing Remarks
4:55 pm  Adjourn
Orthopaedic Trauma for NPs and PAs .... 34 - 36
Michael T Archdeacon, MD, Chair,
Daniel J Coll, MHS, PA-C and Clifford B Jones, Co-Chairs

Orthopaedic Trauma Nursing Course ........ 37
Paul J Dougherty, MD and Mary K Wollan, BAN,RN,ONC, Co-Chairs
Lloyd Wright, RN,BSN,RNFA,CNOR and Ashley A Raidl, CST, Planning Committee
Target Audience
This course is intended for PAs and NPs who are practicing in orthopaedics inpatient/outpatient or caring for orthopaedic injuries in ER/UC/General Trauma Services.

Forum Objectives
1) Integrate strategies for the care and management of patients with hip fractures.
2) Demonstrate and apply surgical skills for hip fracture fixation and stabilization.
3) Recognize the associations between automobile accidents and orthopaedic trauma, and identify common orthopaedic injuries in automobile trauma.
4) Discuss the soft tissue injuries encountered with tibia fractures, and critique treatments algorithms for tibial fx.
5) Compare and contrast fractures and treatment strategies for fractures about the ankle.
6) Recognize and review the treatments and complications encountered with amputation surgery.
7) Examine preoperative conditions that may compromise outcomes in orthopaedic trauma care.
8) Employ and critique surgical skills involved in tibial nailing, lower extremity external fixation application and fixation of pilon fractures.

Thursday, October 4, 2012

Program

1:00 pm
OVERVIEW
Michael T Archdeacon, MD, Chair

1:20 pm – 2:50 pm
SYMPOSIUM 1
IMPROVING HIP FRACTURE CARE*
Moderator: Christopher G Moran, MD
Faculty: Kjell Matre, MD
Stephen L Kates, MD
Keith M Willett, MD
Lau Tak Wing, MD
This symposium will look at the worldwide epidemiology of hip fractures and review the results of large, National Hip Fracture Registries giving level-1 epidemiological evidence. Methods of improving standards of care through audit and financial incentive will be discussed with practical suggestions on improving hip fracture care in the USA and other countries.
*Joint Annual Meeting Session

3:00 pm
Break
Visit Scientific Posters & Technical Exhibits

3:20 pm
HIP FRACTURE SKILLS LABS
Moderator: Hassan R Mir, MD
(2 40-minute rotations)
Hip Screw and Side Plate and IM Nail
Faculty: Ryan P Finnan, MD
Hip IM Nail
Faculty: Hassan R Mir, MD

4:52 pm
PRESIDENT’S MESSAGE*
“The Changing Value Proposition of the Orthopaedic Traumatologist”
Robert A Probe, MD
OTA President
Introduced by his fellowship mentor Ronald W Lindsey, MD
*Joint Annual Meeting Session

5:25 pm
OTA BUSINESS MEETING
OTA Members Only

6:30 pm
WELCOME RECEPTION
Join the OTA for cocktails and a generous assortment of hors d’oeuvres at Windows on Minnesota. Windows is located on the 50th floor of the Marquette hotel, a short walk from the Convention Center.

Attendees of this activity can earn 20.25+ AMA PRA Category 1 Credits™.
Orthopaedic Trauma for NPs and PAs, cont’d

Friday, October 5, 2012

6:30 am – 7:45 am
Concurrent Sessions

(6:15 Continental Breakfast)

**SKILLS LABS**

Joint-spanning External Fixator for Temporizing Articular Fractures (F1)
Moderator: Cory A Collinge, MD

ORIF Distal Femur Fractures (F2)
Moderator: David P Barei, MD

**CASE PRESENTATIONS**

Coding Update with Case-Based Learning
Moderator: William R Creevy, MD
Faculty: J Scott Broderick, MD
M Bradford Henley, MD

Pelvis and Acetabulum
Moderator: Paul Tornetta, III, MD
Faculty: Thomas F Higgins, MD
Robert F Ostrom, MD
Philip R Wolinsky, MD

Pediatric Femur Fractures
Moderator: Enes Kanlic, MD, PhD
Faculty: Amr A Abdelgawad, MD
J Eric Gordon, MD
Marc F Swiontkowski, MD

Proximal Humerus Fractures
Moderator: Utku Kandemir, MD
Faculty: Michael J Gardner, MD
John T Gorczyca, MD
Michael D McKee, MD
Milan K Sen, MD

*Joint Annual Meeting Session

8:00 am – 9:30 am
SYMPOSIUM II
AUTOMOTIVE MEDICINE AND ORTHOPAEDIC TRAUMA*

Moderator: James A Goulet, MD
This symposium will explore the impact of lives lost and altered by automotive trauma, as well as the strides made in preventing or limiting serious injury associated with vehicle collisions. Partnerships between the automotive industry, crash researchers, rapid responder systems, and surgeons have played a critical role in reducing the morbidity and mortality associated with vehicle collisions.

*Joint Annual Meeting Session

9:30 am
Break
Visit Scientific Posters & Technical Exhibits

10:00 am
INDEPENDENT CURRICULUM WITH DIDACTIC LECTURES AND SMALL GROUP SESSIONS
Moderator: Christina L Boulton, MD

Tibia Fractures: Issues, Dilemmas and Treatment Strategies

10:00 am
Open Tibia Fractures

10:15 am
Compartment Syndrome

10:30 am
Ex Fix and Staged Treatment for Plateaus/Pilons

10:45 am
Tibial Nailing - Entry Portals, Reduction Techniques and Blocking Screws

11:00 am
Tibia Fracture Case Discussions

11:30 am
JOHN BORDER LECTURE*
“Orthopaedic Trauma – My Perspective”
James F Kellam, MD

INTRODUCTION
Stephen H Sims, MD

*Joint Annual Meeting Session

12:00 pm
Lunch
Visit Scientific Posters & Technical Exhibits

Guided Poster Tours & Lunch (tickets required)

1:00 pm
INDEPENDENT CURRICULUM WITH DIDACTIC LECTURES AND SMALL GROUP SESSIONS
Moderator: Timothy J Bray, MD

Fractures About the Ankle: Problems and Solutions
Saturday, October 6, 2012

6:30 am – 7:45 am Concurrent Breakout Sessions

(6:15 Continental Breakfast)

SKILLS LAB*
ORIF Periprosthetic Fractures of the Femur (S1)
Moderator: Raymond R White, MD

CASE PRESENTATIONS*
Proximal Humerus Fractures
Moderator: Michael J Gardner, MD
Faculty: Samir Mehta, MD
Distal Femoral Fractures
Moderator: Darin Freiss, MD
Faculty: Amer J Mirza, MD
David C Templeman, MD
Heather H Vallier, MD

Post-Traumatic Infection
Moderator: Utku Kandemir, MD
Faculty: Animesh Agarwal, MD
Bruce H Ziran, MD

Management of Physeal Fractures Around the Knee and Ankle
Moderator: David A Podeszwa, MD
Faculty: Christine A Ho, MD
Anthony J Riccio, MD
Robert L Wimberly, MD

Scapula Fracture Injuries and Treatment
Moderator: William T Obremskey, MD
Faculty: Peter A Cole, MD
Clifford B Jones, MD

*Joint Annual Meeting Session

8:00 am
PRACTICE INCORPORATION SYMPOSIUM
Tools and Tips for Maximizing Physician Assistant Utilization
Tricia Marriott, PA-C, MPAS, DFAAPA, Interim Vice President of Constituent Organization Development; Director Reimbursement Advocacy; American Academy of Physician Assistants
Faculty: Keith Zurmehly, PA;
Debra Sietsema, PhD, RN;
Dennis Gregory, PA

9:40 am Break
Visit Scientific Posters & Technical Exhibits

10:10 am – 11:40 am
MINI SYMPOSIUM*
Amputations in Trauma: Getting the Most Out of Your Limb
Moderator: Lisa K Cannada, MD
Faculty: Romney C Andersen, MD, Col, MC
Paul J Dougherty, MD
Rahul Vaidhya, MD

*Joint Annual Meeting Session

11:42 am
ANNUAL MEETING
MINI SYMPOSIA and SCIENTIFIC SESSIONS (p. 30)

4:55 pm Adjourn
This program has been designed to meet ANCC criteria for 7.25 contact hours of continuing Orthopaedic Nursing Education.

Friday, October 5, 2012

TARGET AUDIENCE
Operating room nurses, perioperative nurses and surgical technicians.

PROGRAM

6:30 am Registration and Continental Breakfast (CC Ballroom/Main Lobby)

7:30 am Orthopaedic Trauma: Working as a Team
Paul J Dougherty, MD

7:50 am Osteoporosis: Causes, Consequences and Treatment
Kriss Todd-Reisnour, FNP

8:45 am Operating Room Sterilization of Equipment and Implants: What you Don’t know Could Hurt
Shawn N Murphy, RN, BSN

9:25 am Break

10:10 am Hip Fractures: The Good, The Bad and The Ugly; Femoral Neck Fractures; Intertrochanteric Fractures
David C Templeman, MD

11:00 am LAB: Cephalomedullary Nail, Compression & Hip Screw
David C Templeman, MD, Paul J Dougherty, MD, Leslie J Gullahorn, MD

12:00 am Lunch

1:00 pm Principles of Plates and Screws (Including Locking Plates)
Leslie J Gullahorn, MD

1:25 pm LAB: Plates and Screws (Cortical and Cancellous Screws, DCP, Buttress Plate and Locking Plate)
David C Templeman, MD, Paul J Dougherty, MD, Leslie J Gullahorn, MD

2:00 pm Operative Site Surgical Prep of the Patient: What’s the Evidence?
Lloyd Wright, RN

2:30 pm Break

3:05 pm Principles of External Fixation: Simple Construcnts You Should Know
Paul J Dougherty, MD

3:25 pm LAB: External Fixation
David C Templeman, MD, Paul J Dougherty, MD, Leslie J Gullahorn, MD

4:05 pm Intramedullary Nailing of the Femur and Tibia: Do's and Don'ts
David C Templeman, MD, Paul J Dougherty, MD, Leslie J Gullahorn, MD

4:35 pm Adjourn
Thursday, October 4, 2012

11:15 am - 12:45 pm

INDUSTRY SYMPOSIA
(Lunch included)

Take advantage of this opportunity to learn of new products and/or surgical equipment demonstrations. Visit the online registration at www.ota.org for details.

Friday, October 5, 2012

12:00 Noon
LUNCH SESSIONS, cont’d

Guided Poster Tours
(tickets required)

Don’t miss the opportunity for a guided poster tour at this year’s Annual Meeting. Registration required and space limited.

Friday, October 5
12:00 Noon - 12:45 pm
Pelvis and Acetabulum (P1)
Leader: Paul Tornetta, III, MD
Lower Extremity (P2)
Leader: Roy Sanders, MD

Saturday, October 6
12:15 pm - 1:00 pm
Upper Extremity (P3)
Leader: David C Ring, MD
General Interest / Polytrauma / Geriatrics (P4)
Leader: Lisa K Cannada, MD

E-Posters

Run out of time for posters? No problem... visit the OTA website to view 2012 Annual Meeting E-Posters.

KATHY CRAMER, MD
MEMORIAL WOMEN IN ORTHOPAEDIC TRAUMA LUNCHEON/MEETING
(tickets required)

Co-Chairs: Jacqueline J Krumrey, MD
Laura S Phieffer, MD

Please share the following excellent educational opportunity with residents.

COMPREHENSIVE FRACTURE COURSE FOR RESIDENTS
October 3 - 6, 2012
Minneapolis Convention Center

Co-chairs: Michael T Archdeacon, MD
Kyle J Jeray, MD

It would be difficult to match the collective knowledge, experience, and commitment to teaching of the outstanding faculty!

Visit www.ota.org for preliminary program and online registration.
28th Annual Meeting
Scientific Posters, Technical Exhibits
and CME Credits

Scientific Posters
Convention Center – Exhibit Hall
viewing times: Thursday 2:30 pm - 5:00 pm
Friday 6:30 am - 5:00 pm
Saturday 6:30 am - 1:30 pm

Technical Exhibits
Convention Center – Exhibit Hall
will be open: Thursday 2:30 pm - 5:00 pm
Friday 9:00 am - 5:00 pm
Saturday 9:00 am - 1:30 pm

CME Credit
The Orthopaedic Trauma Association and the American Academy of Orthopaedic Surgeons jointly sponsor the scientific presentations at this 28th Annual Meeting.

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the American Academy of Orthopaedic Surgeons and the Orthopaedic Trauma Association. The American Academy of Orthopaedic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The CME Credit table is as follows:

- Scientific Posters
  - Convention Center – Exhibit Hall
  - Viewing times:
    - Thursday 2:30 pm - 5:00 pm
    - Friday 6:30 am - 5:00 pm
    - Saturday 6:30 am - 1:30 pm

- Technical Exhibits
  - Convention Center – Exhibit Hall
  - Will be open:
    - Thursday 2:30 pm - 5:00 pm
    - Friday 9:00 am - 5:00 pm
    - Saturday 9:00 am - 1:30 pm

The American Academy of Orthopaedic Surgeons designates this educational activity for a maximum of 19.25+ AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

The BASIC SCIENCE FOCUS FORUM offers a maximum of 11.25 AMA PRA Category 1 Credits™.

The ORTHOPAEDIC TRAUMA BOOT CAMP offers a maximum of 14.5 AMA PRA Category 1 Credits™.

The GRANT WRITING WORKSHOP offers a maximum of 8 AMA PRA Category 1 Credits™.

The INTERNATIONAL ORTHOPAEDIC TRAUMA CARE FORUM offers a maximum of 8 AMA PRA Category 1 Credits™.

The MASTERS LEVEL TRAUMA CODING COURSE offers a maximum of 6 AMA PRA Category 1 Credits™.

The YOUNG PRACTITIONERS FORUM offers a maximum of 4.25 AMA PRA Category 1 Credit™.

The ORTHOPAEDIC TRAUMA FOR NPs and PAs COURSE offers a maximum of 20.25 AMA PRA Category 1 Credits™.

The ORTHOPAEDIC TRAUMA NURSING COURSE offers a maximum of 7.25 Contact Hours of continuing Orthopaedic Nursing Education.
Disclaimer

The material presented at the 28th Annual Meeting has been made available by the Orthopaedic Trauma Association for educational purposes only. The material is not intended to represent the only, nor necessarily best, method or procedure appropriate for the medical situations discussed, but rather is intended to present an approach, view, statement or opinion of the faculty which may be helpful to others who face similar situations.

The Orthopaedic Trauma Association disclaims any and all liability for injury or other damages resulting to any individual attending the Annual Meeting and for all claims which may arise out of the use of the techniques demonstrated therein by such individuals, whether these claims shall be asserted by physician or any other person.

Disclosure

Presenters are required to disclose whether or not they, or their department, received something of value from a commercial or other party which related directly or indirectly to the subject of their presentation. This disclosure is indicated in the final program. The OTA does not intend this identification to decrease the value of the presentation or to imply bias. It is intended solely for information.

FDA

All drugs and medical devices used in the United States are administered in accordance with Food and Drug Administration (FDA) regulations. These regulations vary depending on the risks associated with the drug or medical device, the similarity of the drug or medical device to products already on the market, and the quality and scope of clinical data available.

Some drugs or medical devices described or demonstrated in Orthopaedic Trauma Association educational materials or programs have not been cleared by the FDA or have been cleared by the FDA for specific uses only. The FDA has stated that it is the responsibility of the physician to determine the FDA clearance status of each drug or device he or she wishes to use in clinical practice.

Course Location

Minneapolis is a blend of natural beauty and urban sophistication with 200 miles of walking, biking, and ski trails within city limits and just steps from world class museums, restaurants, shopping, and art venues. The city features more than 180 parks and 22 lakes. The downtown area, which overlooks the Mississippi River, boasts an 8-mile climate controlled skyway system which links 80 blocks of hotels, restaurants, theatres, entertainment, and shopping malls. Fall is one of the most beautiful times to visit Minneapolis as visitors can enjoy impressive autumn colors and enjoy a variety of outdoor activities packing only a light jacket. The average high temperature for October is 59 degrees, with lows reaching 40 degrees.
Accommodations

**Deadline for reservations:**
**September 10, 2012**

The OTA has secured discounted room rates at the Hilton Hotel and the Hyatt Hotel. Reservations should be made no later than September 10.

The Annual Meeting and all pre-meeting events will take place at the Convention Center.

**Rates:**
- **Hilton Hotel** – Single/Double = $215.00 + tax
- **Hyatt Hotel** – Single/Double = $209.00 + tax

* Book your hotel reservations through Conference Direct, the OTA’s official housing company.
* Follow the hotel reservation link on the OTA website http://www.ota.org, for easy, online booking. If you have any questions about your hotel reservations, you can reach Conference Direct at 877-632-8165. Monday - Friday, 8:30 am - 5:30 pm EST or via email: OTA@conferencedirect.com.

Hotel rooms may sell out quickly - don’t delay!

Airline Reservations

Special meeting discounts available through United Airlines can be obtained by calling 1-800-521-4041, mention code 549KD or by calling CorpTrav Management Group at 1-800-211-8016. CorpTrav is one of the largest independent global travel management firms, proud to service some of the world’s most prestigious organizations since opening their doors in 1976. CorpTrav Management Group will append any discount related to your meeting, as applicable.

**Service Fees:**
- $32 USD domestic
- Booking with a professional travel agent (via phone or email)
  In addition to your travel reservations, your service fee provides you with:
  - 24/7/365 travel assistance with a live travel agent
  - $200,000 USD in flight insurance

Light Rail

Getting around Minneapolis is a breeze with 18 rail stations between the entertainment-packed Warehouse District in downtown Minneapolis and the shopper’s paradise – Mall of America in Bloomington. With additional stops at the Minneapolis/St. Paul International Airport, Historic Fort Snelling, restaurants along Hiawatha Avenue, the H.H.H. Metrodome and various locations along 5th Street in downtown – the Hiawatha Line can provide a full day of entertainment and still get you to the airport on time!


Alternate Transportation

Shuttle service is available through SuperShuttle. A shared ride is $16 total for one way and $28 round trip including fuel surcharge. A professionally-staffed SuperShuttle desk is located on the right side of the ground transportation center of the Minneapolis-St. Paul International Airport.

Taxi service is available. A special rate is available through Airport Taxi. The flat rate of $34.25 is available from the airport to downtown, and the return rate is $30. You must call (763) 592-6475 once you have your luggage to take advantage of this offer.
**Poster Presentations**

Annual Meeting Scientific Posters will be available for viewing at all times during the meeting beginning at 2:30 pm on Thursday until 1:30 pm on Saturday in the Convention Center Exhibit Hall. Peer reviewed abstracts for both podium and poster presentations will be included in the final program book.

**Skills Labs, Mini Symposia and Case Presentations**

- Ensure your space in Skills Labs - register early. Tickets are required.
- Skills Labs FILL QUICKLY and may not be available to on-site registrants.
- Choose the Friday and Saturday Skills Laboratory Sessions in order of your preference.
- Bring radiographs/x-rays of problem cases for discussion with OTA members.

**Registration Information**

- Register online at www.ota.org using your OTA username. Email ota@aaos.org for your OTA username.
- Postmarked registrations after September 4 will not be processed; on-site registrations will require an additional $100 late fee. On-line registrations prior to September 10 will not incur the $100 late fee.
- All pre-registrations will receive confirmation by e-mail. Badges will be mailed to those registered by September 4.
- The pre-registration form may be photocopied as needed.

**On-site Registration**

- Registrations postmarked after September 4 or on-line registrations after September 10 will be accepted on-site plus an additional $100 late fee.
- On-site Registration will be available as follows: Convention Center Foyer (All Pre-Meeting Events)
  - Tuesday: 4:00 PM - 6:00 PM
  - Wednesday - Saturday: 6:15 AM - 5:00 PM
- Exhibitors must register through the OTA office.

**Payment**

- All meeting registrations must be accompanied by payment.
- Indicate payment ~ Visa, MasterCard or AMEX with cardholder name, number, expiration date and signature and FAX form directly to: (847)823-0536
- Check made payable to OTA and drawn from a US bank in US dollars. Mail form and check to: OTA 6664 Eagle Way Chicago IL 60678-1066, USA
- Registrations sent via Courier must be sent to the OTA staff office: 6300 N. River Road, Suite 727, Rosemont, IL 60018.

**Cancellations and Refunds**

- Submit cancellation in writing to OTA office via fax: (847)823-0536 or email: OTA@aaos.org
- Refunds less a $100.00 processing fee per registration will be made in a timely basis by OTA after the close of the OTA Annual Meeting.
- No refunds after October 1, 2012.
Industry Symposia

Thursday, October 4
11:15 am – 12:45 pm
Take advantage of this opportunity to learn of new products and/or surgical equipment demonstrations.

BioMimetic Therapeutics, Inc.

Bioventus
The Great Debate - Treatment Options for Non-unions
This session is an interactive case-based review of the various biologic and device options to treat challenging non-unions. Planned topics to cover include: BMP, autograft, bone marrow aspirate, low intensity pulsed ultrasound, and electrical stimulation. Attendees will provide treatment options for discussion by the group. Subject matter experts will discuss the pros and cons of each treatment option.

Conventus Orthopaedics, Inc.
A novel, multi-planar and less invasive approach to distal radius fracture fixation.

Medtronic

RTI Biologics
Biologic options for your trauma practice - fracture management and joint resurfacing.

Synthes

Mini Symposia

Friday, October 5: 10:00 am – 11:15 am
Workers Compensation: An Orthopaedic Trauma Perspective
Orthopaedic trauma surgeons routinely take care of patients who are injured while on the job, yet many have minimal formal education on dealing with the unique aspects of these patients’ care. This session will familiarize the attendee with Workers Compensation Systems and common terminology. Public, physician, and research perspectives will be explored, and issues that frequently arise when caring for injured workers will be discussed. Moderator: Hassan R. Mir, MD Faculty: Lisa K Cannada, MD; Cory A Collinge, MD; A Alex Jahangir, MD; William T Obremskey, MD, MPH; Manish K Sethi, MD

Friday, October 5: 10:00 am – 11:15 am
How to Establish and Run a Fragility Fracture Program (Own the Bone)
Own the Bone is a web-based quality-improvement program, the ultimate goal of which is to reduce the risk of future fractures and to promote a multi-disciplinary approach and coordination of care between orthopaedic surgeons, rheumatologists, endocrinologists, OB/GYN, and primary care physicians to ensure better bone health in patients age 50 and over. As a national, online registry, the program provides hospitals and medical centers with a structured system to optimize and track patient care, as well as access to internal and external benchmarking capabilities to measure performance for outside evaluators. In addition to introducing the “Own the Bone” program, this symposium will focus on practice management aspects of establishing an osteoporotic fracture program. Moderator: James A Goulet, MD

Friday, October 5: 1:00 pm – 2:30 pm
US Policy and Healthcare Reform: An Update
We intend to review the basics of healthcare financing and history of reform in the US. The Representatives and Senators that are active in Healthcare Reform and their views are highlighted. We also review how institutions and physician practices are responding to Reform. Moderator: William T Obremskey, MD Faculty: A Alex Jahangir, MD; Steven A Olson, MD; Manish K Sethi, MD

Friday, October 5: 1:00 pm – 2:30 pm
Periprosthetic Fractures
Periprosthetic fractures are increasing in frequency and complexity. This symposium will use a focused, case-based format to clarify optimal treatment techniques for the practicing orthopaedist who deals with these injuries. Moderator: Michael D McKee, MD Faculty: George J Haidukewych, MD; Hans J Kreder, MD; William M Ricci, MD; Emil H Schemitsch, MD

Friday, October 5: 1:00 pm – 2:30 pm
Infections With Resistant Bacteria: Are They Winning the Battle?
The participant will receive an update on infections caused by multiple drug resistant organisms and their effect on surgical patients. The state of the art diagnostic workup for infection will be reviewed including invasive and non-invasive methods. Management of the acute postsurgical infection will be explained. Additionally, management of infected nonunion including the option for long term suppressive treatment will be explained. Moderator: Stephen L Kates, MD Faculty: Volker Alt, MD; Edward Schwarz, PhD; Michael Suk, MD, JD, MPH

(View latest information at www.ota.org.)
Mini Symposia, cont’d

Friday, October 5: 3:00 pm – 4:30 pm
**Plateaus and Pilons: The Posterior Perspective**
Managing complex articular fractures of the proximal and distal tibia can be complicated by soft tissue, exposure and implant inadequacies. Properly indicated and executed posterior access and fixation strategies may serve to resolve these concerns. This symposium will emphasize contemporary indications and limitations of these evolving techniques.
Moderator: Stephen A Kottmeier, MD
Faculty: Clifford B Jones, MD; Paul Tornetta, III, MD; J Tracy Watson, MD

Friday, October 5: 3:00 pm – 4:30 pm
**Tools and Tips for Maximizing Physician Assistant Utilization**
This talk includes proper/compliant utilization along with proper billing and reimbursement for services provided by a PA.
Tricia Marriott, PA-C, MPAS, DFAAPA; Interim Vice President of Constituent Organization Development; Director Reimbursement Advocacy; American Academy of Physician Assistants
Faculty: Dennis Gregory, PA; Debra Sietsema, PhD, RN; Keith Zurmehly, PA

Friday, October 5: 3:00 pm – 4:30 pm
**Compensation Formulas: What Works and What Doesn’t**
The business of medicine is increasingly important as health care delivery systems are refined to capture new revenue sources and to provide low cost, high quality care to patients. In the current health care environment, compensation formulas and management coordination systems must be aligned to promote these objectives. This session will review examples and options for the allocation of revenues and expenses that determine physician compensation in various practice types.
Moderator: William R Creevy, MD
Faculty: Timothy J Bray, MD; M Bradford Henley, MD; Roy Sanders, MD

Saturday, October 6: 8:00 am – 9:30 am
**Two Minutes/Two Slides: Focus on the Pelvis and Acetabulum**
A series of brief presentations consisting of two slides over two minutes where experts will highlight diagnostic pearls and surgical tricks for the care of patients’ injuries to the pelvic ring or to the acetabulum. Each presentation will be followed by a short discussion.
Moderator: Pierre Gay, MD, MBA
Faculty: Kelly A Lefaivre, MD; Christopher C Moran, MD; Jason W Nascone, MD; H Claude Sagi, MD; Adam J Starr, MD; David J Stephen, MD;

Saturday, October 6: 8:00 am – 9:30 am
**Preoperative Nightmares in Orthopaedic Trauma: Deal With It**
This symposium will educate the orthopaedic surgeon in order that he may facilitate safe operative treatment of patients with complex preoperative issues.
Moderator: John T Gorczyca, MD
Faculty: Michael A Miranda, MD; Kevin J Pugh, MD; Michael S Sirkin, MD; Jeffrey M Smith, MD

Saturday, October 6: 10:10 am – 11:40 am
**Orthobiologics: Where Do They Fit in Your Practice?**
Evidence based approach to the use of orthobiologic material and autogenous bone graft. Experts in each area will demonstrate the evidence that supports or does not support the orthobiologics which get thrust upon you daily.
Moderator: Ross K Leighton, MD
Faculty: Mohit Bhandari, MD, PhD; Michael D Mckee, MD; Thomas A Russell, MD

Saturday, October 6: 10:10 am – 11:40 am
**Multiligament Knee Dislocation Treatment**
This symposium will review injuries associate with knee ligament injuries and the appropriate evaluation of these injuries. Understand acute repair and reconstruction of knee ligament cruciate/collateral and meniscus injuries.
Moderator: William T Obremskey, MD
Faculty: Gregory C Fanelli, MD; James P Stannard, MD

Saturday, October 6: 1:15 pm – 2:45 pm
**Alternative Solutions in Post-Traumatic Reconstruction: I Need to Make Bone**
Critical bone loss after fracture or infection can be difficult to manage. Despite adequate soft tissue coverage, “creating” bone in areas of large defect can be quite challenging and require multiple surgeries. We offer alternative solutions in scenarios of massive bone loss.
Moderator: Samir Mehta, MD
Faculty: Stephen Kovach, MD; L Scott Levin, MD; Stephen M Quinnan, MD; Robert D Zura, MD
Mini Symposia, cont’d

Saturday, October 6: 1:15 pm – 2:45 pm
Pediatric Polytrauma: Navigation Gator Country
Pediatric polytrauma is the leading cause of death for children, far exceeding all other causes of death. The most likely type of major operative procedure that pediatric trauma victims will undergo is orthopaedic surgery. This mini-symposium will combine the peds general surgeon / trauma surgeon and pediatric orthopaedic perspectives as we take a practical look at pediatric polytrauma via short didactic presentations & case-based discussions.
Moderator: Charles T Mehlen, DO, MPH
Faculty: Richard Falcone, Jr, MD; Steven L Frick, MD

Saturday, October 6: 1:15 pm – 2:45 pm
Management of Complex Elbow Trauma
In this course, we aim to outline the treatment principals of complex elbow fractures as well as injuries with composite soft tissue loss. Each speaker will give a brief summary of pertinent anatomy, preferred method of assessment before the surgery, followed by indications and postoperative rehabilitation program. New treatment options on arthroplasties in acute trauma as well as various options on bone and soft tissue reconstruction will be discussed along with case presentations.
Moderator: Kagan Ozer, MD
Faculty: Jeffrey Lawton, MD; Rick Papandrea, MD

Friday, October 5: 6:30 am – 7:45 am
Pelvis and Acetabulum
Cases will present that highlight the initial management, operative treatment options, and expected outcomes of pelvic and acetabulum fractures. An expert panel will provide varying opinions on the management of these complex injuries.
Moderator: Paul Tornetta, III, MD
Faculty: Thomas F Higgins, MD; Robert F Ostrum MD; Philip R Wolinsky, MD

Friday, October 5: 6:30 am – 7:45 am
Pediatric Femur Fractures
Pediatric femur fractures (proximal, shaft and distal) are common injuries often requiring urgent attention by orthopaedic surgeon on call. Current concepts of tactics and techniques in surgical treatment of growing skeleton will be discussed. Special focus is on submuscular bridge plating (videos), intramedullary lateral entry rigid and elastic nailing.
Moderator: Enes Kanlic, MD, PhD
Faculty: Amr A Abdelgawad, MD; J Eric Gordon, MD; Marc F Swiontkowski, MD

Friday, October 5: 6:30 am – 7:45 am
Proximal Humerus Fractures
While open reduction and internal fixation is one of the most common type of treatment when surgery is indicated in proximal humerus fractures, it is technically challenging and prone to complications associated with the surgical technique.
Moderator: Utku Kandemir, MD
Faculty: Michael J Gardner, MD; John T Gorczyca, MD; Michael D McKee, MD; Milan K Sen, MD

Saturday, October 6: 6:30 am – 7:45 am
Proximal Humerus Fractures
Proximal humeral fractures can be difficult to reduce, and to obtain and maintain stable fixation to achieve a good functional outcome. This session will highlight newer surgical approaches, reduction techniques, and implant and augmentation applications to minimize complications.
Moderator: Michael J Gardner, MD
Faculty: Samir Mehta, MD; Andrew H Schmidt, MD

Saturday, October 6: 6:30 am – 7:45 am
Distal Femoral Fractures
Supracondylar femur fractures were historically treated with complex surgery and fraught with a high complication rate. Although newer implant options in the past ten years have added complex interlocking nails, locked plates, and multiple locked screw options, these fractures remain difficult to treat. This symposium will briefly review historical treatment outcomes, and review the available scientific and outcomes literature using newer implants, including a discussion of why these fractures remain difficult to treat.
Moderator: Darin Freiss, MD
Faculty: Heather H Vallier, MD; Amer J Mirza, MD; David C Templeman, MD

Saturday, October 6: 6:30 am – 7:45 am
Post-Traumatic Infection
Post-traumatic Infection is a challenging and sometimes devastating problem. Accurate and early diagnosis and evaluation is essential for appropriate treatment. Treatment plan depends on the goal(s) in a specific patient and should often be individualized.
Moderator: Utku Kandemir, MD
Faculty: Animesh Agarwal, MD; Bruce H Ziran, MD

Case Presentations

Friday, October 5: 6:30 am – 7:45 am
Coding Update with Case-Based Learning
Coding updates relevant to orthopaedic trauma will be reviewed utilizing case based examples. Audience members are encouraged to bring cases for discussion.
Moderator: William R Creevy, MD
Faculty: J Scott Broderick, MD; M Bradford Henley, MD

Register Today at www.ota.org
Industry Symposia, Case Presentations, Skills Labs and Mini Symposia Descriptions, cont’d

Note: Pre-registration is not required for Breakout Sessions.
Only Skills Labs require tickets.

Saturday, October 6: 6:30 am – 7:45 am
**Scapula Fracture Injuries and Treatment**
Symposium will review injuries associated with scapula factors and scapula anatomy and fracture displacement. We will discuss natural history of non-operative results of scapula fractures as well as techniques of fracture fixation and outcomes of fixation. We will also review case studies with audience discussion.
Moderator: David Podeszwa, MD
Faculty: Christine A Ho, MD; Anthony I Riccio, MD; Robert L Wimberly, MD

Skills Labs

Friday, October 5: 6:30 am – 7:45 am
**Joint-spanning External Fixator for Temporizing Articular Fractures (F1)**
This session will discuss the indications for, and principles for application of, temporizing spanning external fixation. The practical exercise will demonstrate the proper technique and surgical pearls for utilization in the clinical setting.
Moderator: Cory A Collinge, MD

Friday, October 5: 6:30 am – 7:45 am
**ORIF Distal Radius Fractures (F3)**
This lab will provide an opportunity to hone your volar plating techniques. Experienced and renowned surgeons will be there to share their expertise, tips and tricks.
Moderator: Erik Kubiak, MD

Friday, October 5: 1:00 pm – 2:30 pm
**ORIF Distal Tibia and Fibula Fractures (F4)**
This lab will include hands-on instruction by our panel of experts on the open reduction and internal fixation of distal tibia and fibula fractures with plate and screws in a synthetic bone model. Topics including timing, approach, and post-op care will also be covered.
Moderator: J Tracy Watson, MD

Friday, October 5: 1:00 pm – 2:30 pm
**SIGN Fracture Care International (F5)**
The SIGN technique is used in developing countries to place the interlocking screws through the IM nail without using C-arm. Other tips for IM nail interlocking screw fixation will be discussed.
Moderator: Lewis G Zirkle, MD
Faculty: Duong Bunn, MD; Luigi A Sabal, MD; Robert S Schultz, MD; Faseeh Shahab, MD; Prof Shahab-uddin, MD; Carla S Smith, MD; Frederic B Wilson, Jr, MD

Saturday, October 6: 6:30 am – 7:45 am
**ORIF Periprosthetic Fractures of the Femur (S1)**
This lab will cover the adjective methods for reduction and fixation of periprosthetic fractures of the femur. We will focus on osteosynthesis rather than revision arthroplasty. In addition to synthetic bone lab, use of adjunctive biologics and post-operative protocol will be discussed.
Moderator: Raymond R White, MD
# Registration Form

**OTA Fax:** 847-823-0536

**28th Annual Meeting**

October 3 - 6, 2012

**REGISTRATION FORM**

**Postmarked by:** September 4, 2012.  
Fees increased $100 on site.

### ANNUAL MEETING REGISTRATION FEES - U.S. Funds

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<thead>
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<td>OTA Member (includes Candidate Members in their Residency)</td>
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<td>OTA International or Candidate (Post-Fellowship) Member</td>
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<td>Non-member</td>
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<td>Medical Resident Non-member or Non-member Allied Health</td>
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All company representatives must use Exhibitor Registration Form (available from OTA staff).

### Wednesday, October 3  Pre-Meeting Opportunities

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<td>BASIC SCIENCE FOCUS FORUM</td>
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<td>ORTHOPAEDIC TRAUMA BOOT CAMP</td>
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<td>INTERNATIONAL TRAUMA CARE FORUM</td>
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### Thursday, October 4  Pre-Meeting & Concurrent Opportunities

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# of Guests: ____ @ $65.00 USD ea = $$

### Friday, October 5  Concurrent Opportunities

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<td>WOMEN IN ORTHOPAEDIC TRAUMA LUNCHEON</td>
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### Industry Symposiums  Concurrent Sessions - LIST TOP TWO CHOICES

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### Skills Labs  Concurrent Sessions - LIST TOP TWO CHOICES

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### Skills Labs  INDICATE ATTENDANCE

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### Lunch/Guided Poster Tours  Concurrent Sessions - LIST TOP TWO CHOICES

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## REFUNDS:
OTA office must receive written notice of cancellation for a refund less a $100.00 USD processing fee.  
No refunds after October 1, 2012.

Make checks payable to: Orthopaedic Trauma Association, 6664 Eagle Way, Chicago, IL 60678-1066, USA

**REGISTER ON-SITE AFTER SEPTEMBER 10, 2012 - AN ADDITIONAL $100 USD FEE WILL APPLY.**
2012 Annual Meeting Checklist

Have you...

❑ Completed the Meeting Registration Form (page 47)?
❑ Indicated your preferences for Industry Symposia, Skills Labs and Guided Poster Tours (page 47)?
❑ Included your Payment with the Registration Form?
❑ Made your hotel reservation with the Hilton or Hyatt online at www.ota.org?

Secure on-line registration at www.ota.org

OR

Fax Registration Forms with Credit Card payment to:
Fax: (847) 823-0536

OR

Mail Registration with USD Check Payment to:

ORTHOPAEDIC
TRAUMA
ASSOCIATION

Orthopaedic Trauma Association
6664 Eagle Way
Chicago, IL 60678-1066 USA

(Please note that the above address can only be used when sending via First Class Postage. Courier or Federal Express deliveries must be sent to the OTA staff office: 6300 N. River Road, Suite 727, Rosemont, IL 60018.)

Registration faxed or post-marked by September 4, 2012.
Register on-line by September 10, 2012.

For More Information
Call (847)698-1631, E-mail ota@aaos.org
or visit the OTA web site, www.ota.org.

Attendance at an OTA educational event authorizes the OTA to capture your image or likeness in photographic, digital video, or other electronic format, and authorizes the OTA to use said image or likeness in marketing materials to promote OTA, including print, electronic and on the internet. OTA warrants that its use of the image or likeness will not be in a negative manner. OTA has no control over the use of the image or likeness by third parties and therefore makes no express or implied warranties on any use by third parties.
2012 Educational Opportunities

JULY 31, 2012
(7:30 pm CDT)
Webinar: Ankle Fractures are Not Always Simple:
Identification and Management of Subtle Complexities
Moderator: Paul Tornetta, III, MD
Faculty: Kenneth A Egol, MD and David W Sanders, MD

OCTOBER 23, 2012
(7:30 pm CDT)
Webinar: Clavicle Fractures: When and How to Fix Them
Moderator: Michael D McKee, MD
Faculty: Carl J Basamania, MD, Kyle J Jeray, MD, David S Ruch, MD

*OTA 2012 webinars. Watch the OTA website for registration details. (registration fee: complimentary)

2013 Educational Opportunities

FEBRUARY 5
Annual Meeting Abstract Deadline

FEBRUARY 22 - 23
Residents Advanced Trauma Techniques Course
Location TBD
– Generous Scholarships Available –

MARCH 23
OTA Specialty Day
Chicago, Illinois

APRIL 10 - 13
Spring Comprehensive Fracture Course
for Residents 2.0 – Chicago Area, Illinois
– Generous Scholarships Available –

APRIL 18 - 21
Orthopaedic Trauma Fellows Course
Boston, Massachusetts
Registration limited to current orthopaedic trauma fellows.

APRIL 25 - 27
13th Annual AAOS/OTA Orthopaedic Trauma
Update Course – LaJolla, California

MAY 1
OTA Membership Application Deadline

OCTOBER 9 - 12
Comprehensive Fracture Course
for Residents 2.0 – Phoenix, Arizona

OCTOBER 9 - 12
29th Annual Meeting & Pre-Meeting Events
Phoenix, Arizona

NOVEMBER 1
OTA Membership Application Deadline

For Details of All OTA Events:
OTA website: http://www.ota.org
Phone: (847) 698-1631 Fax: (847) 823-0536 Email: ota@aaos.org
Register Now for the
2012 OTA Annual Meeting
at www.ota.org

Pre-registration Deadline:
Mail: September 4, 2012
Online: September 10, 2012

Hotel Deadline:
September 10, 2012